

2018 Esri Petroleum GIS Conference | Houston, TX



# Migrating from ArcMap to ArcGIS Pro

David Watkins

Scott Noulis

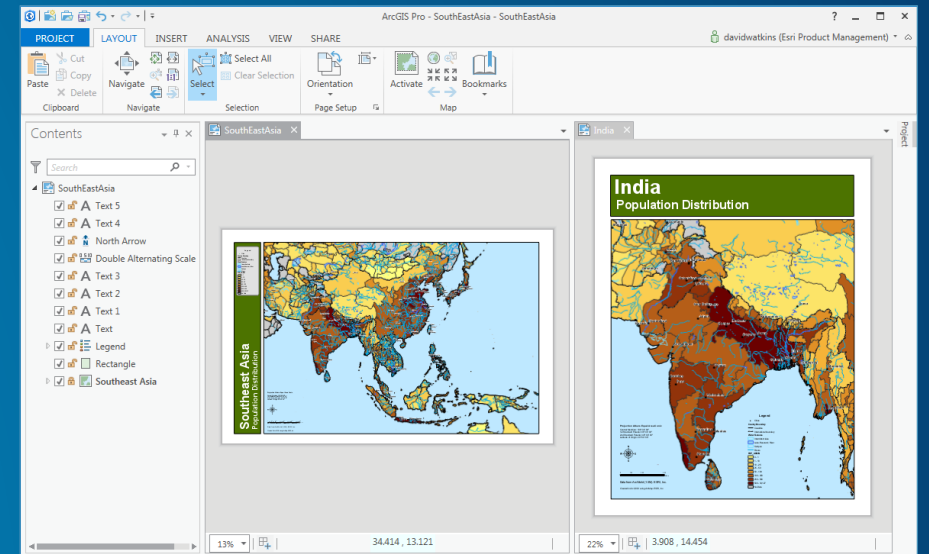
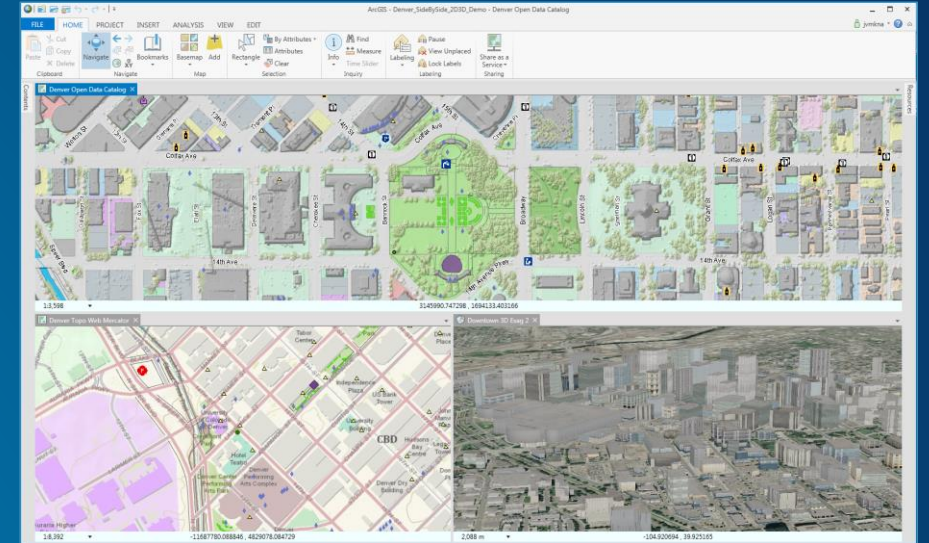


# Getting Started with ArcGIS Pro



# ArcGIS Pro

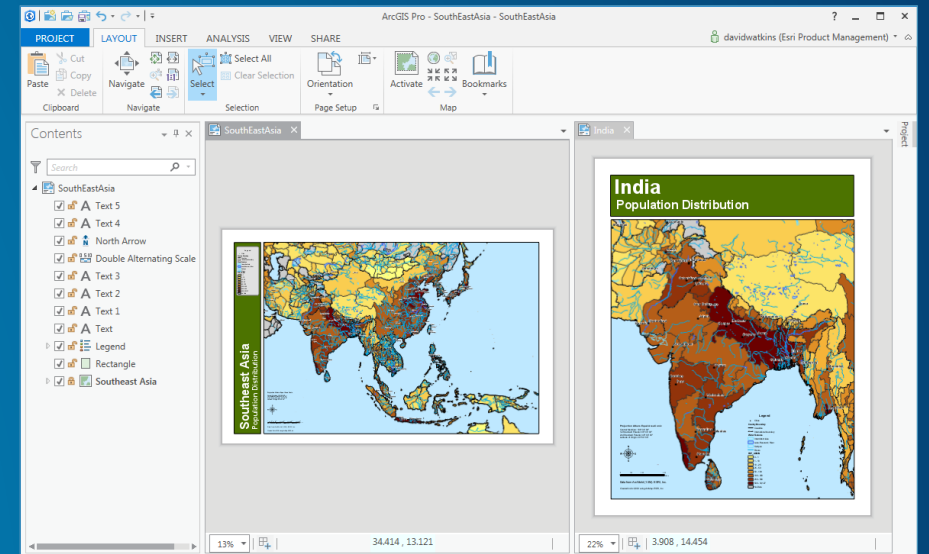
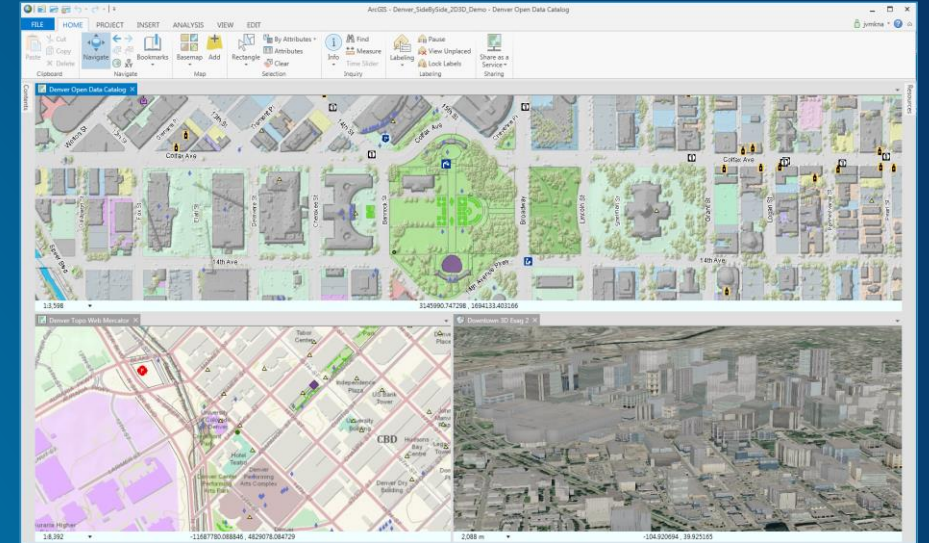
- 64 bit, multi-threaded
- Simplified user interface
- Integrated with the ArcGIS platform
- Combined 2D/3D experience
- Multiple maps and layouts
- Comprehensive set of analysis tools



# ArcGIS Pro

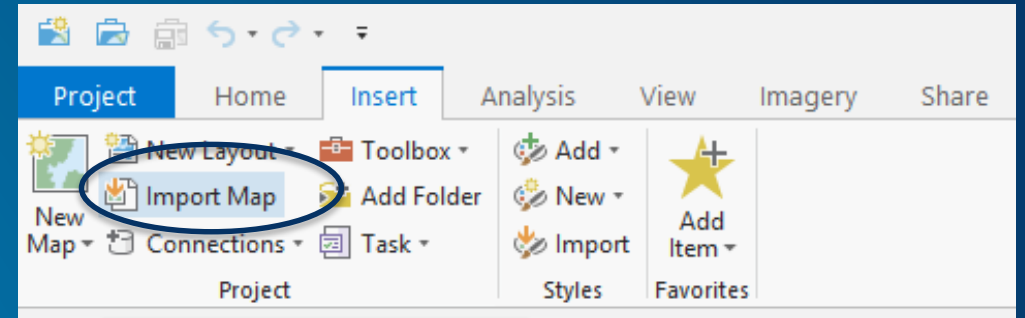
- 64 bit, multi-threaded
- Simplified user interface
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## How do you get started?



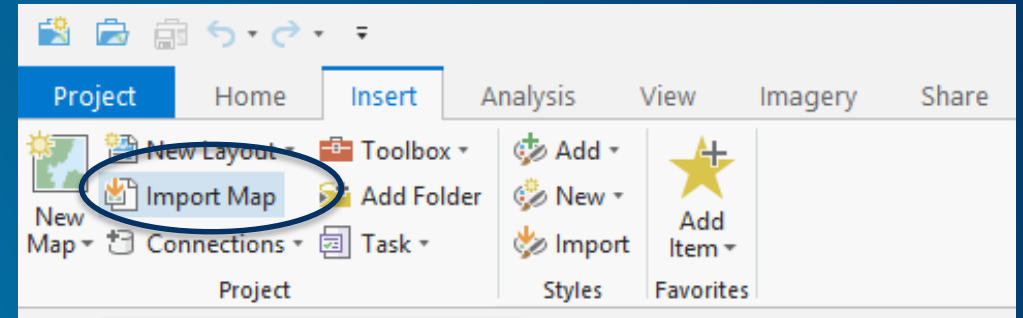
**Import existing maps, scenes, and globes**

# Import existing maps, scenes, and globes



# Import existing maps, scenes, and globes

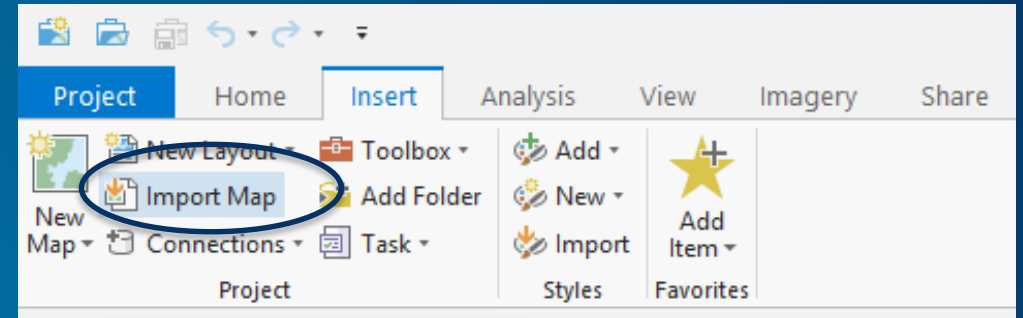
- **What will import?**
  - .mxd, .sxd, .3dd files
  - **Maps, layouts, symbology, scenes, and models**



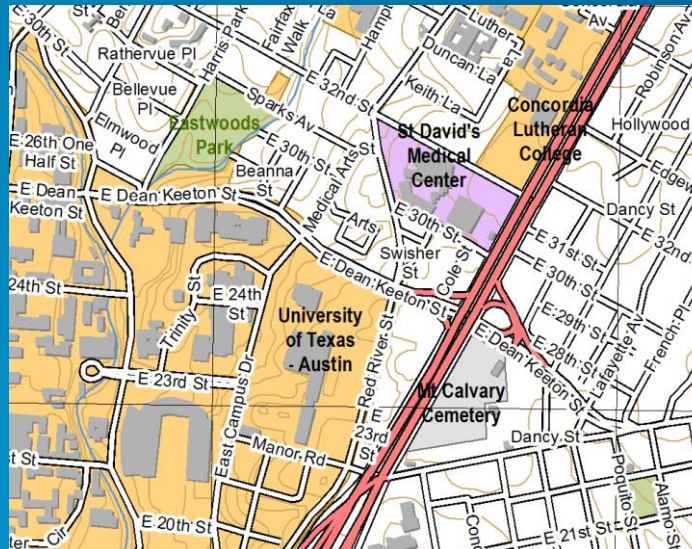


# Import existing maps, scenes, and globes

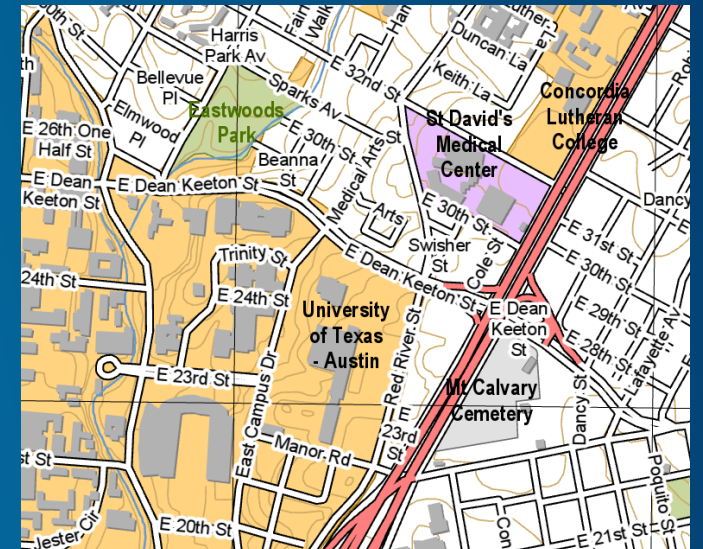
- What will import?
  - .mxd, .sxd, .3dd files
  - Maps, layouts, symbology, scenes, and models
- Results should look the same



ArcMap



ArcGIS Pro





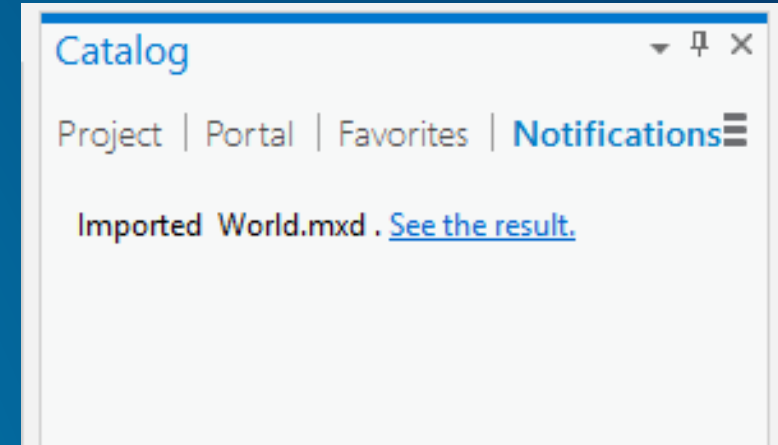
**What if something doesn't look the same?**

## What if something does not look the same?

- Occasionally, things may differ slightly
  - Example: OLE objects are not supported
  - Label placement has been improved
  - Anti-aliasing used for text and line work

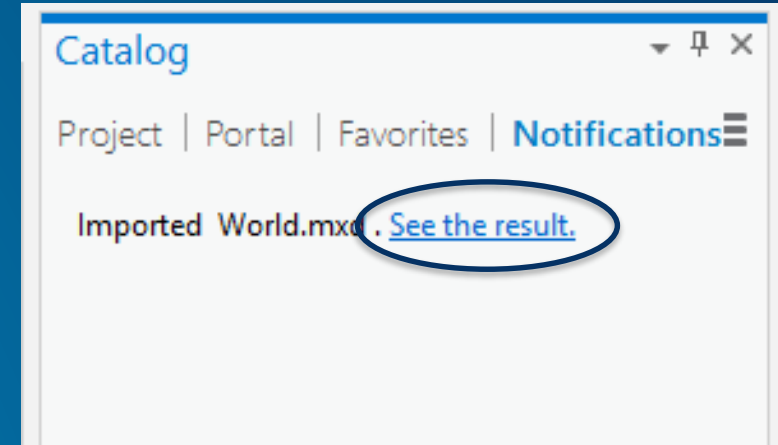
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- Check the notifications



## What if something doesn't look the same?

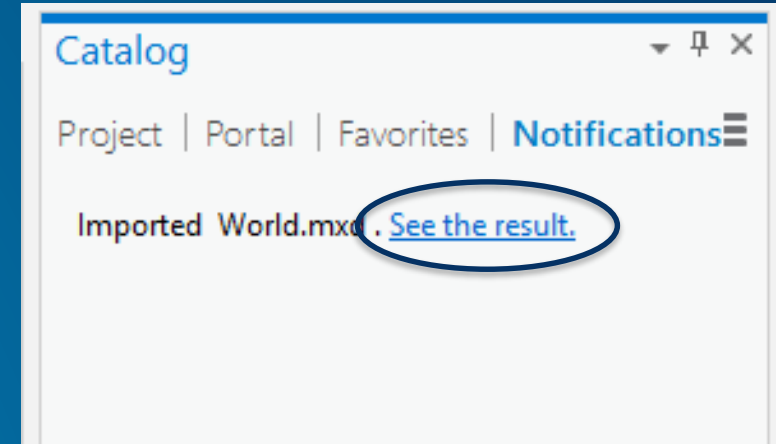
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# What if something doesn't look the same?

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  - Example: OLE objects are not supported
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## Import results for World.mxd

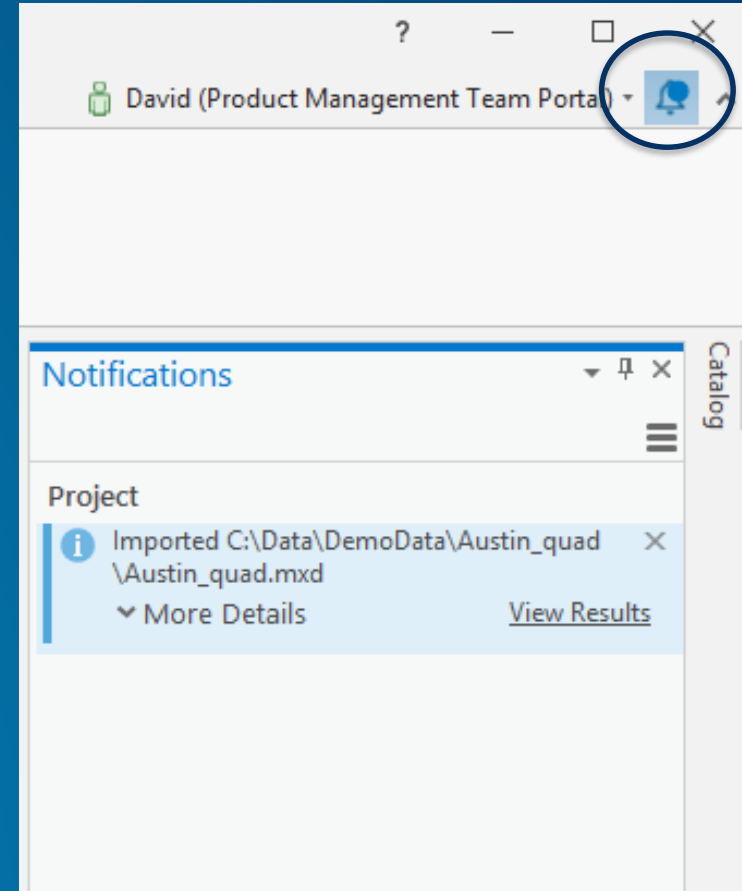
The following messages were produced when this map or scene was imported: C:\Users\davidw\Desktop\World.mxd

Message Name	Type	Severity	Code	Description	Component Name	Component Type
	Warning	Medium	20039	OLE objects are not supported and were dropped from the layout.	World	Layout

# What if something doesn't look the same?

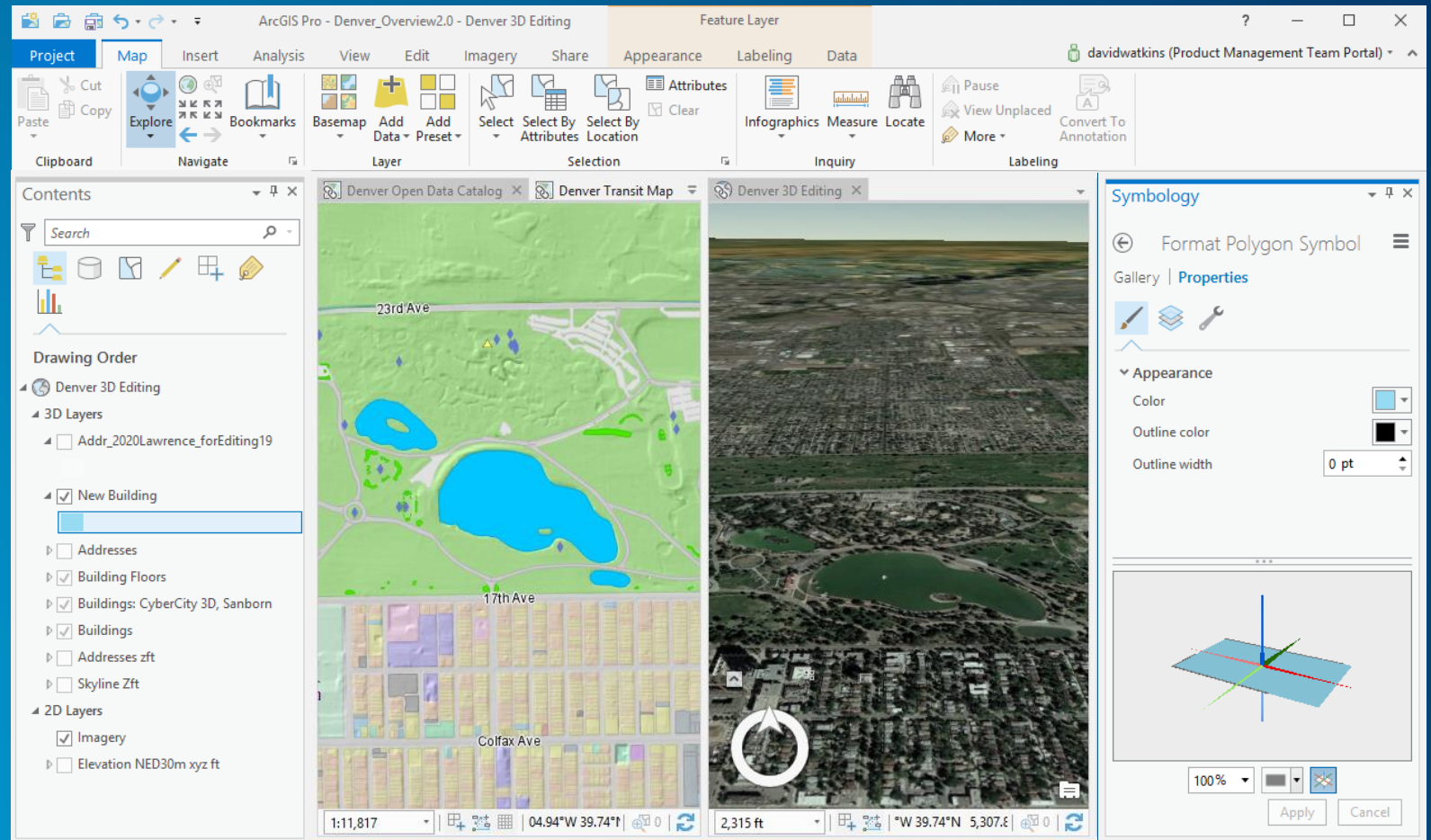
- Occasionally, things may differ slightly
  - Example: OLE objects are not supported
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- Check the notifications

**Note: Notifications are changing at 2.2**



**What are some key differences when working with ArcGIS Pro?**

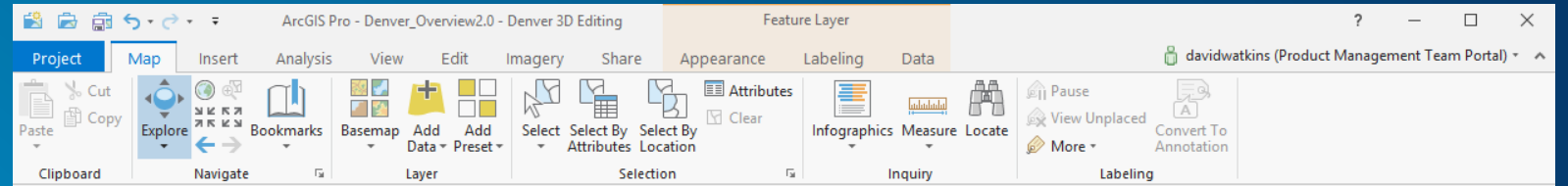
# The user interface is new





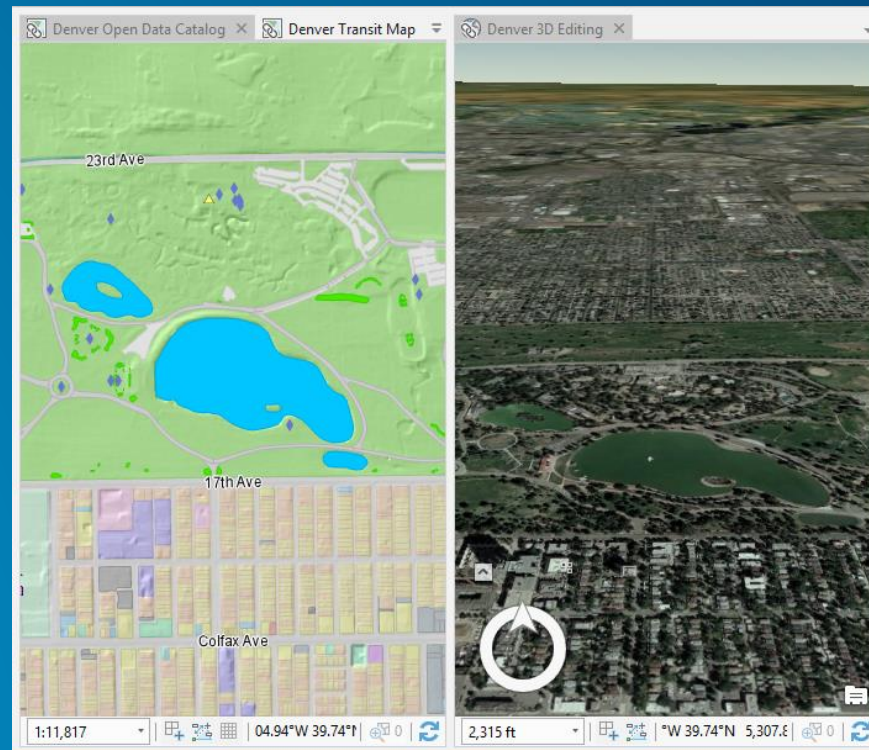
# The user interface is new

- **Contextual ribbon**



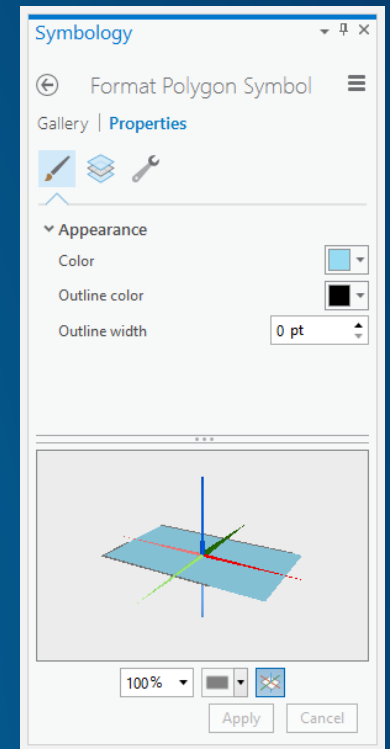
# The user interface is new

- Views



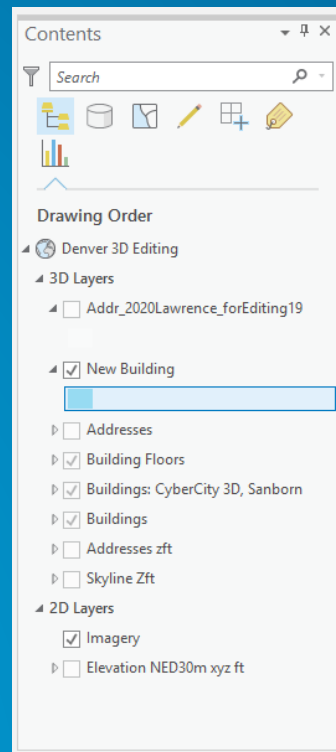
# The user interface is new

- Panes



# The user interface is new

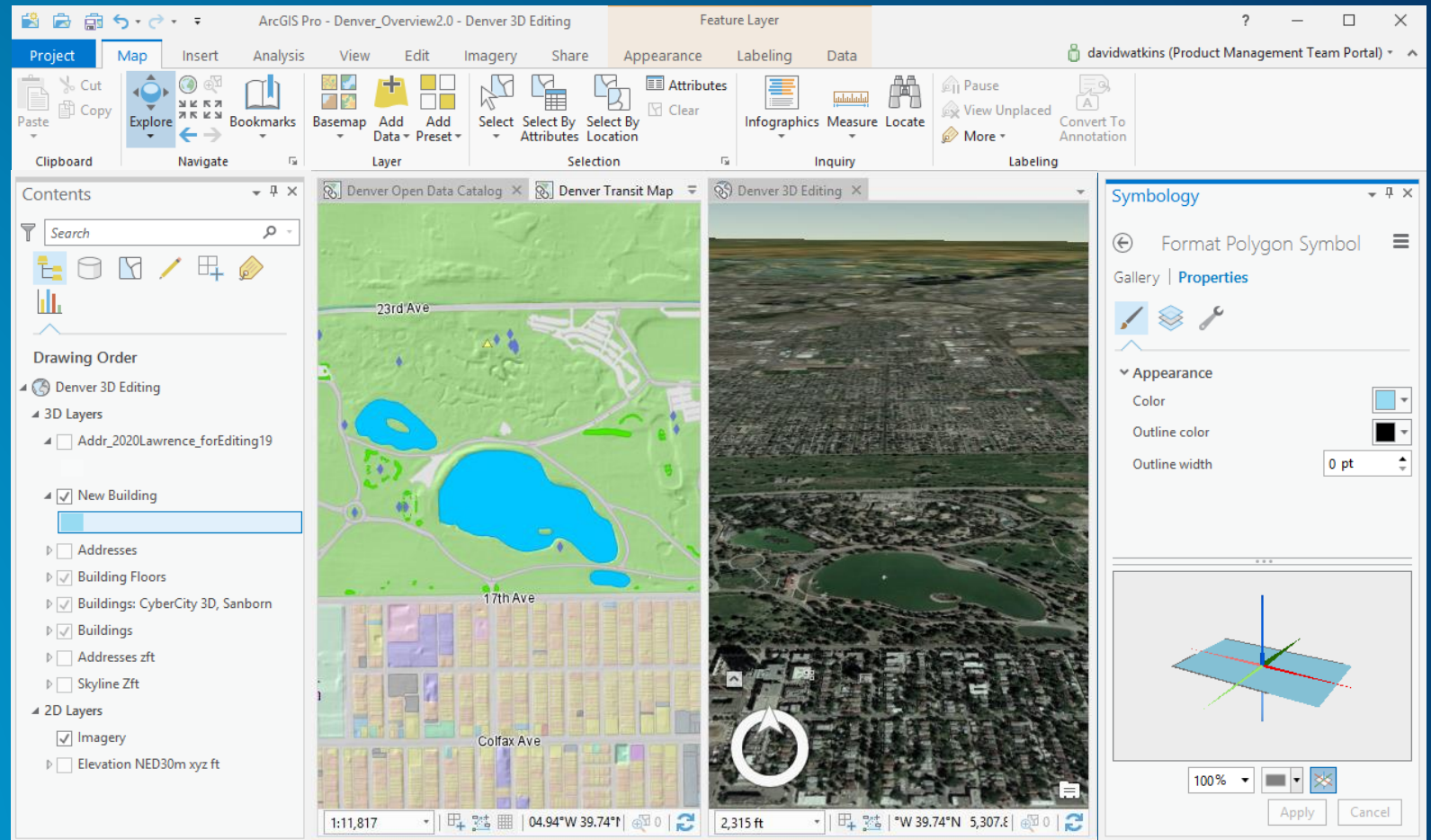
- Contents





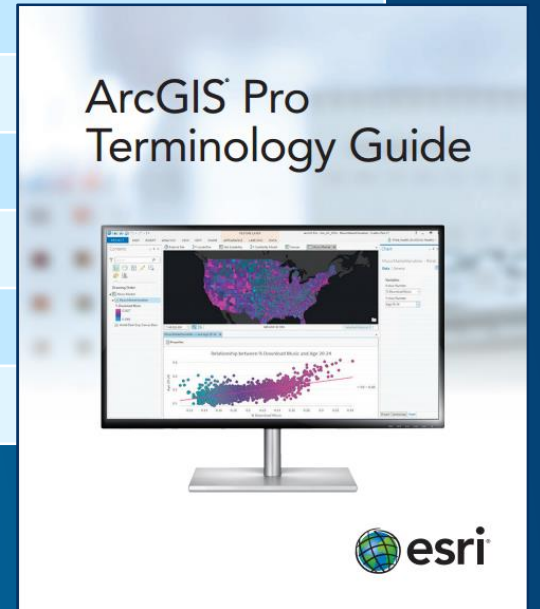
# The user interface is new, but concepts are the same

- Contextual ribbon
- Views
- Panes
- Contents



# ArcGIS Pro uses some new terminology

ArcMap	ArcGIS Pro
Data View	Map View
Data Frame	Map Frame
Active Data Frame	Active View
Data Driven Pages	Map Series
Find tool	Locate tool
Create Folder Connection	Add Folder
Marker Symbol	Point Symbol
Fill Symbol	Polygon Symbol



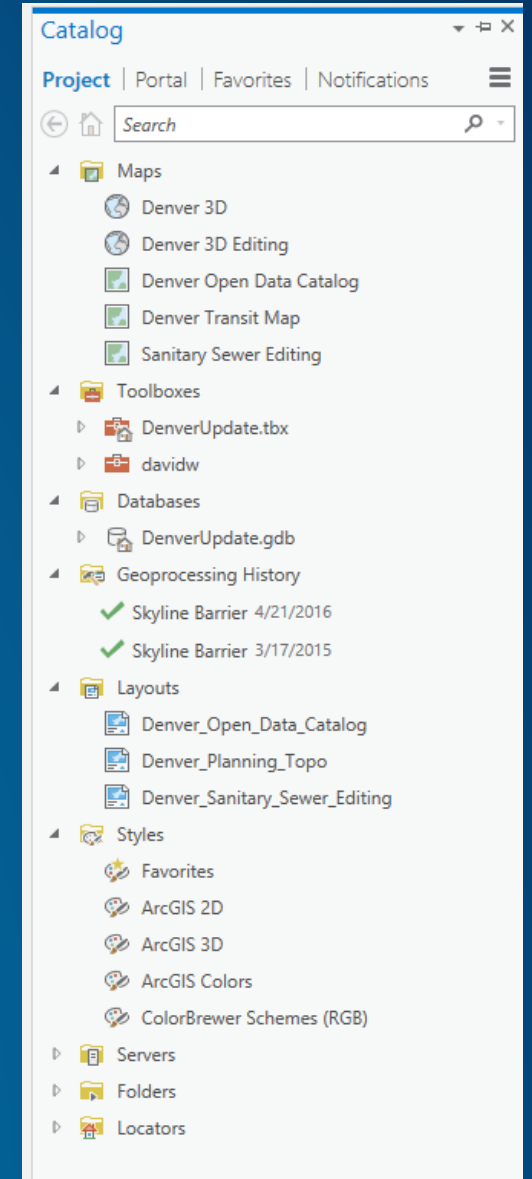
# Demonstration

# ArcGIS Pro Essentials



# In ArcGIS Pro, you work with projects

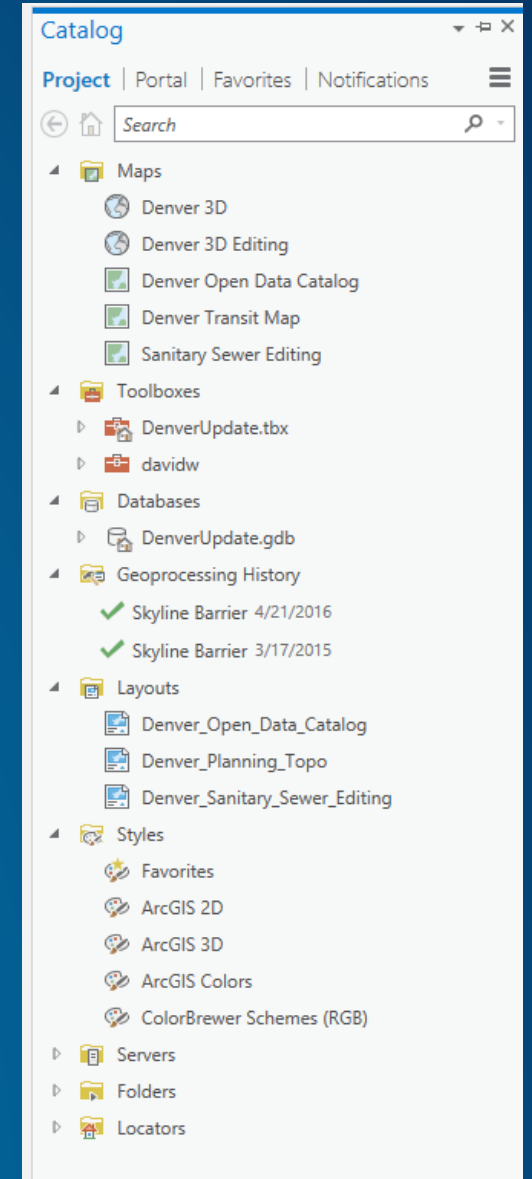
- Multiple maps and layouts
- Database, folder, server connections
- Tools and toolboxes
- Project styles
- Default geodatabase



# In ArcGIS Pro, you work with projects

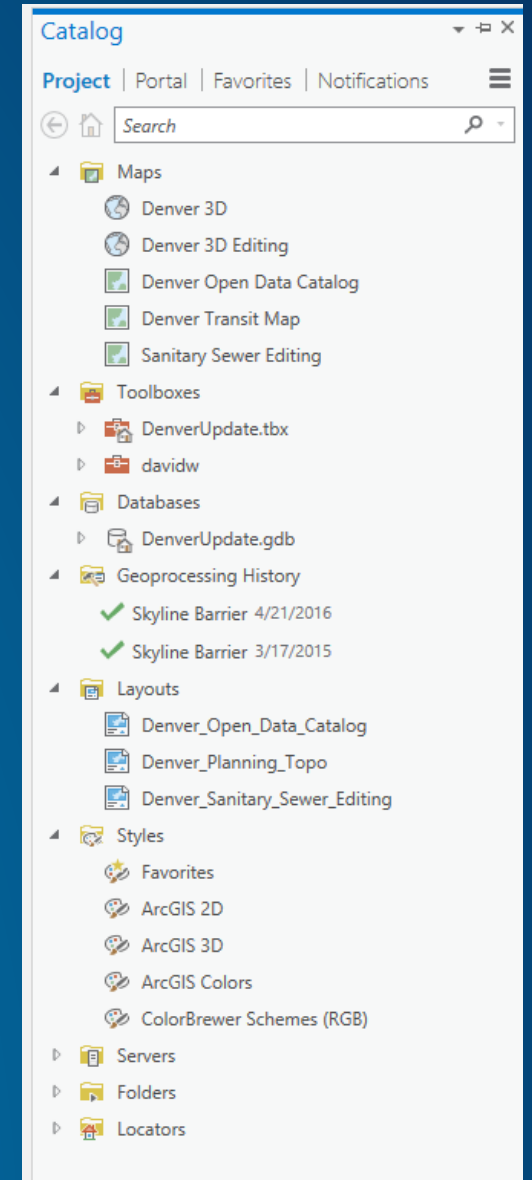
- Multiple maps and layouts
- Database, folder, server connections
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- Default geodatabase

All can be easily packaged and shared



# In ArcGIS Pro, you work with projects

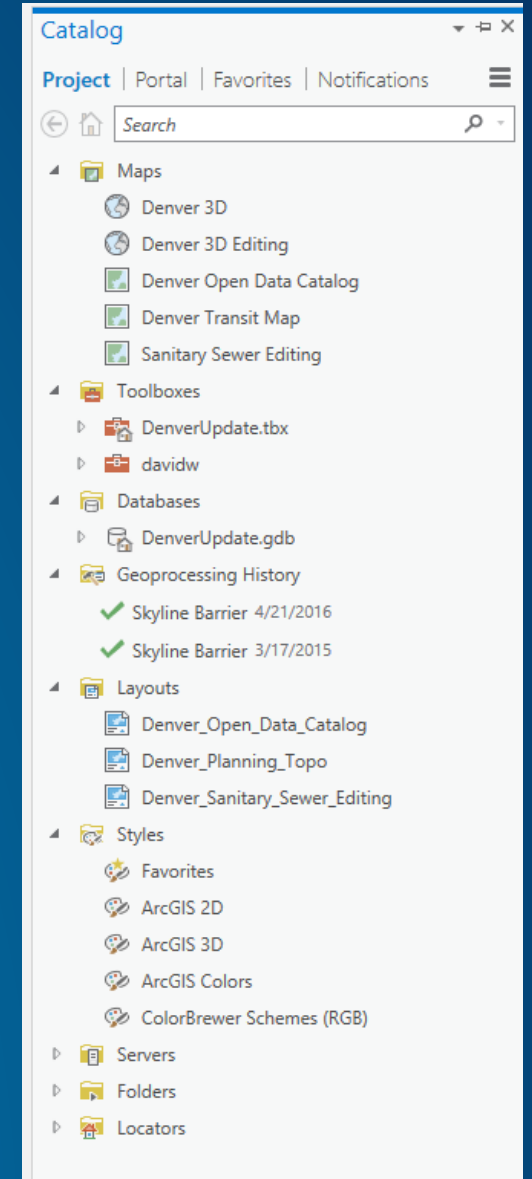
## How should you organize your work moving forward?



# In ArcGIS Pro, you work with projects

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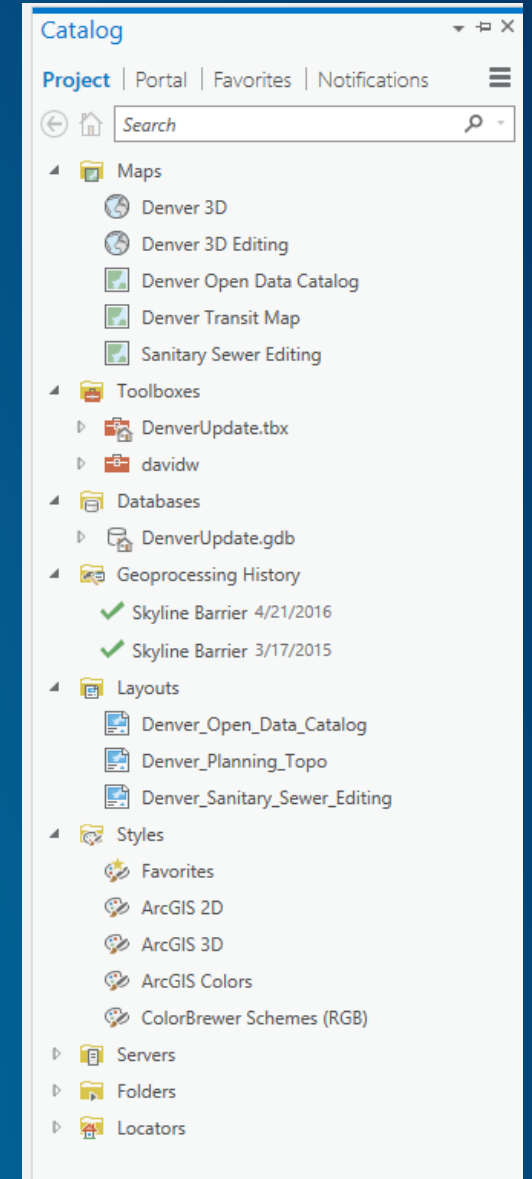
- Do you have related maps?



# In ArcGIS Pro, you work with projects

## How should you organize your work moving forward?

- Do you have related maps?
- Do you use the same map on multiple layouts?

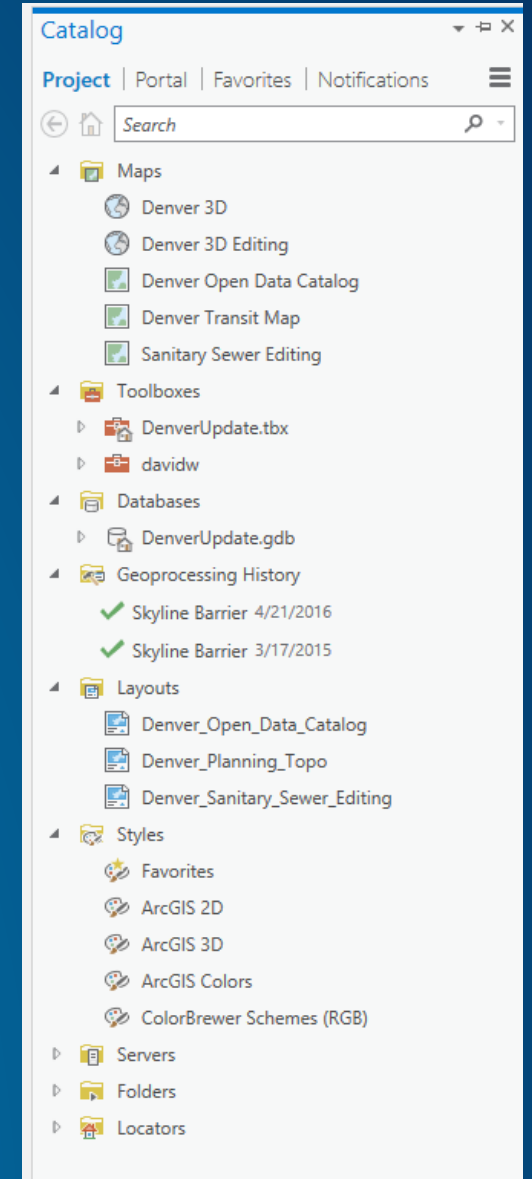




# In ArcGIS Pro, you work with projects

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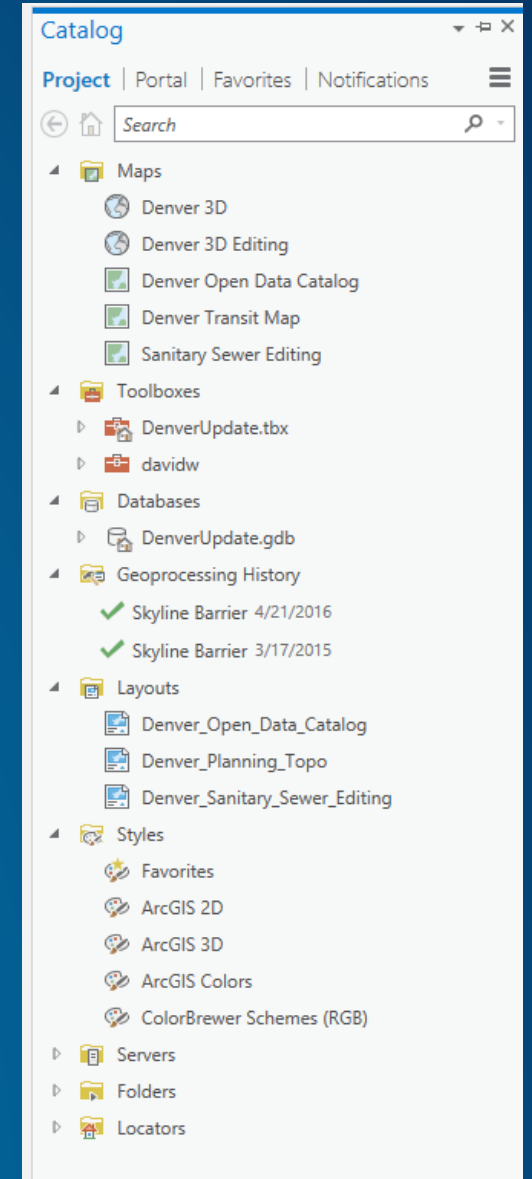
- Do you have related maps?
- Do you use the same map on multiple layouts?
- Do you use the same data connections for groups of maps?



# In ArcGIS Pro, you work with projects

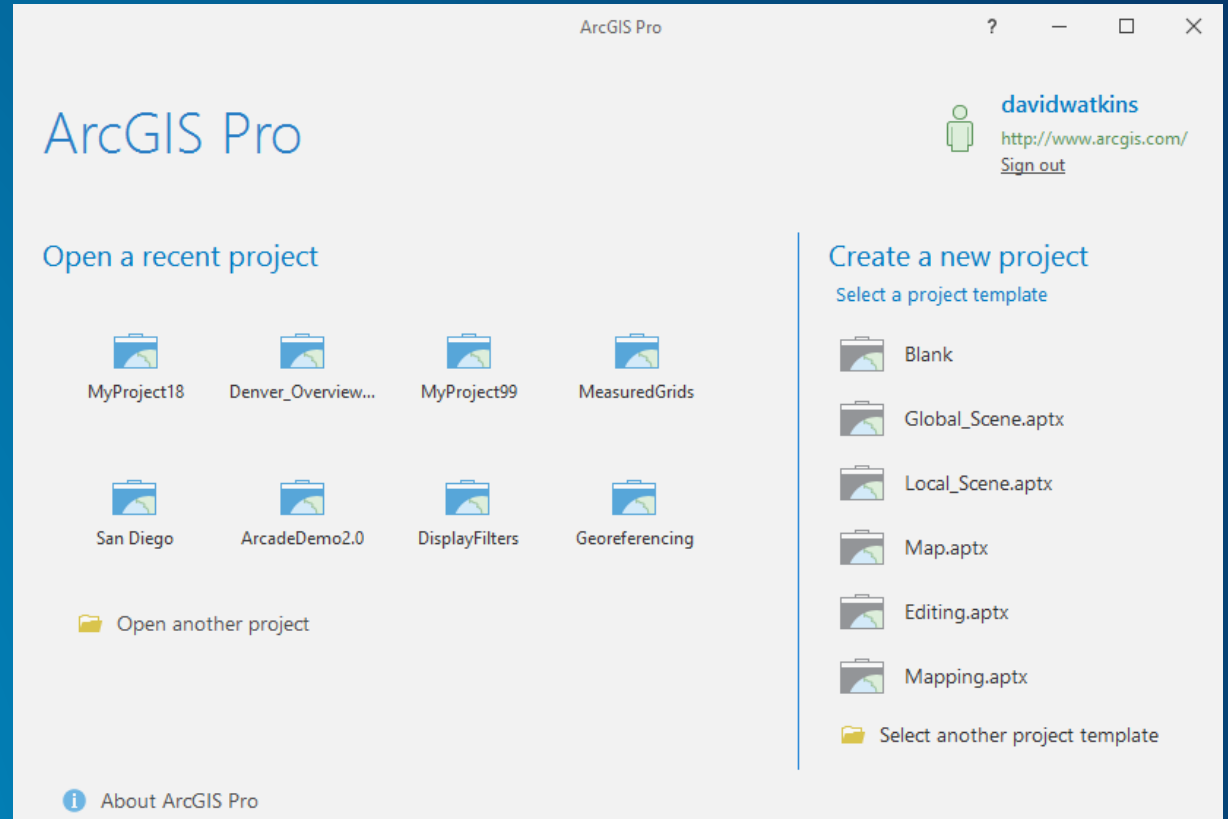
## How should you organize your work moving forward?

- Do you have related maps?
- Do you use the same map on multiple layouts?
- Do you use the same data connections for groups of maps?
- What are the different types of work you do?



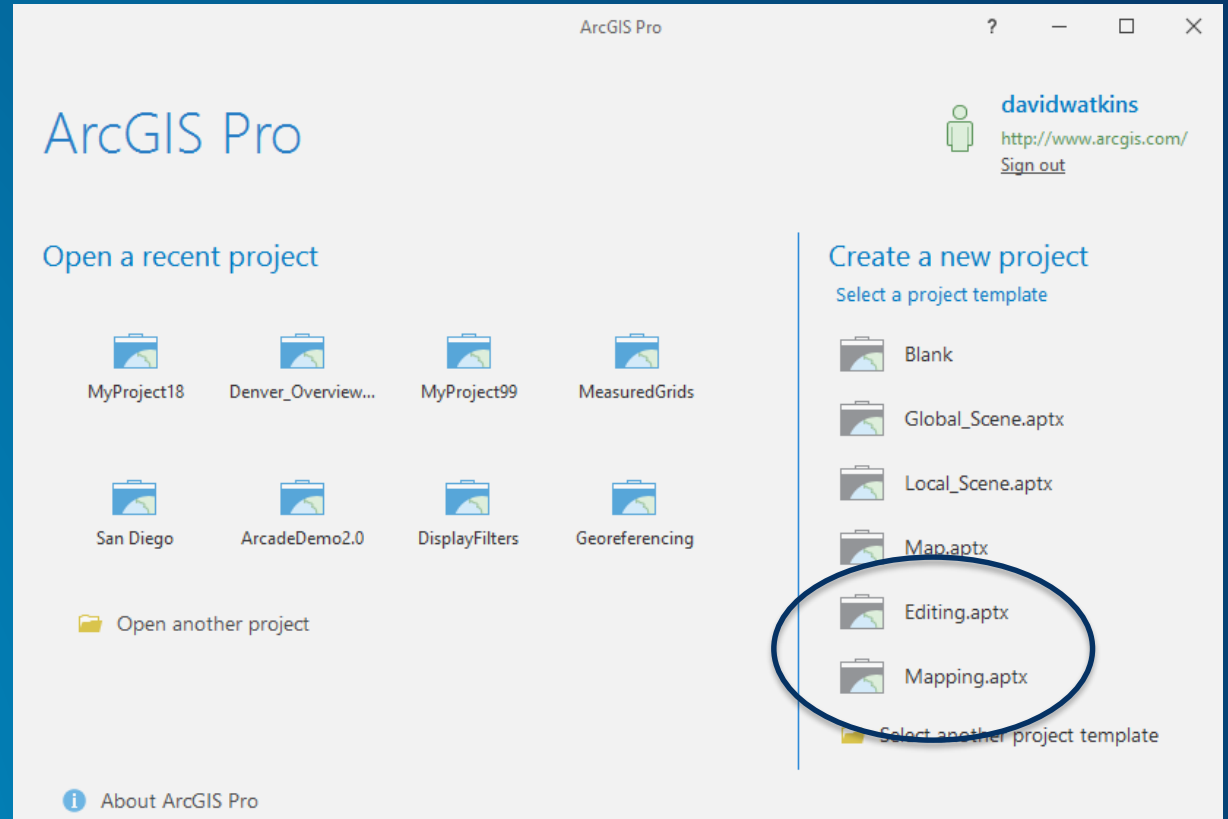
# Working with project templates

- You can have many templates
  - Editing, mapping, viewing
- Customize and share
  - User interface
  - Project styles
  - Layouts
  - Connections
  - Toolboxes



# Working with project templates

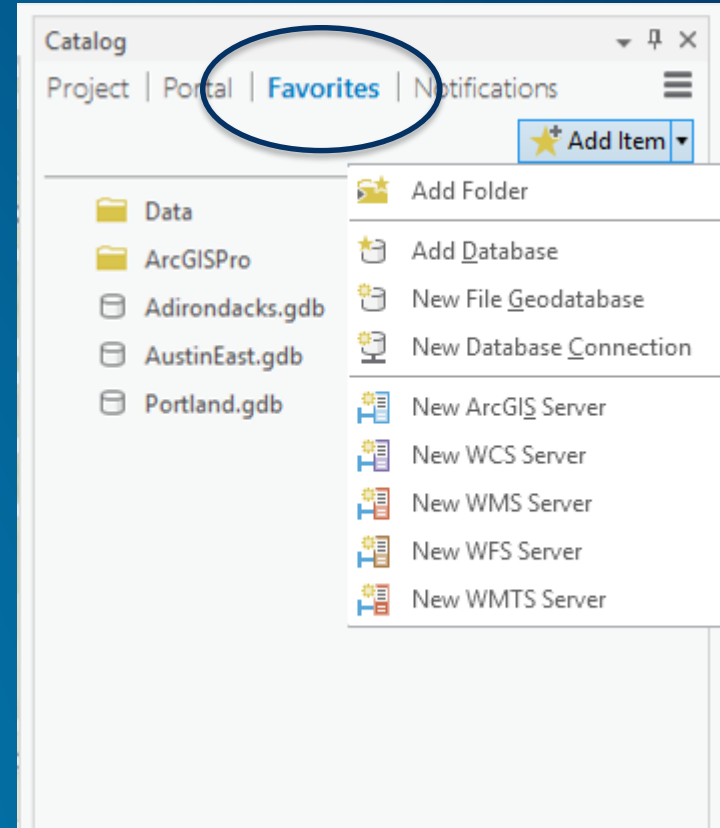
- You can have many templates
  - Editing, mapping, viewing
- Customize and share
  - User interface
  - Project styles
  - Layouts
  - Connections
  - Toolboxes



Your templates are displayed on the start screen

# Working with Favorites

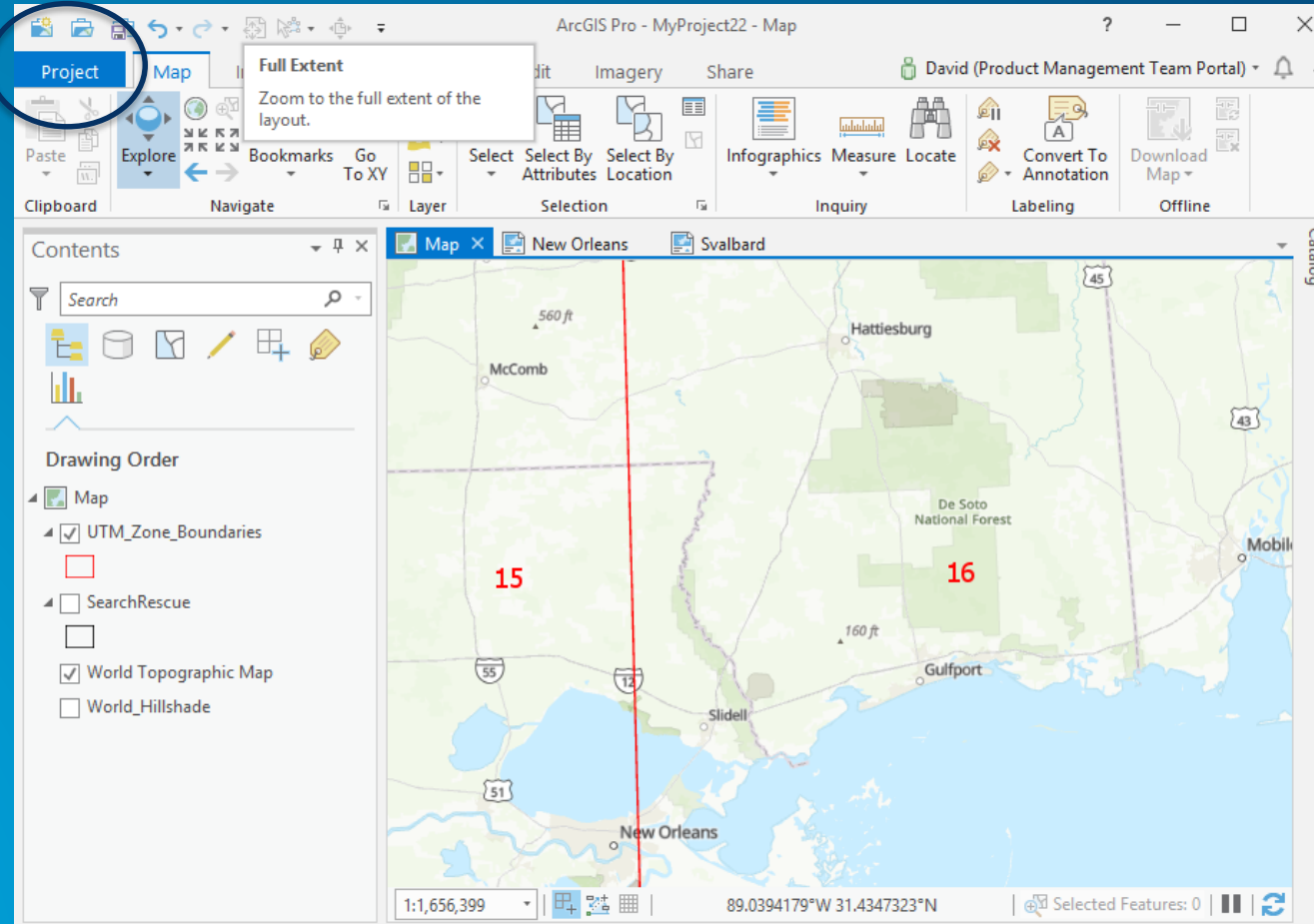
- Add file, database, and server connections
- Favorites are saved on a per-user basis



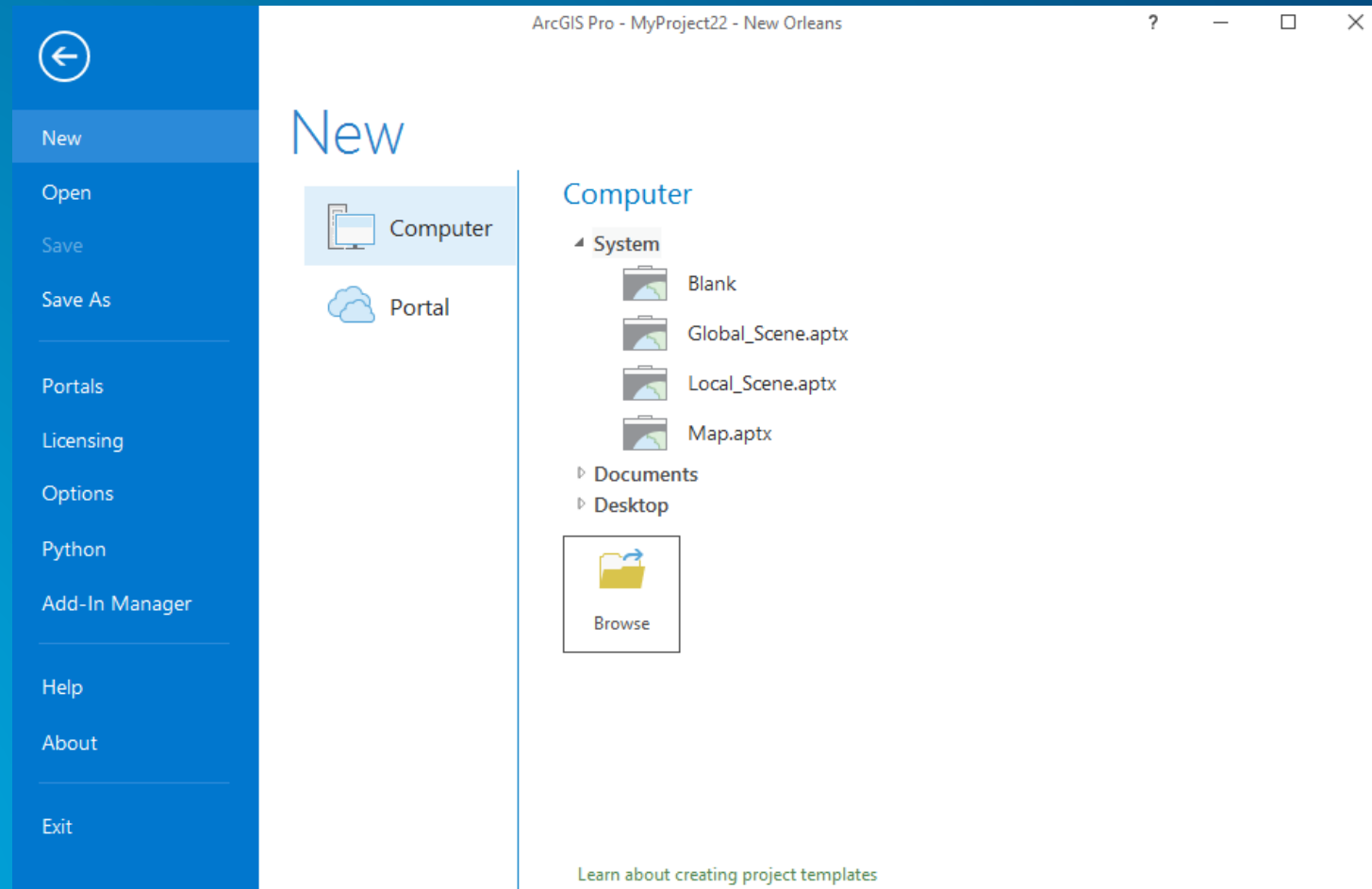


**What is the backstage?**

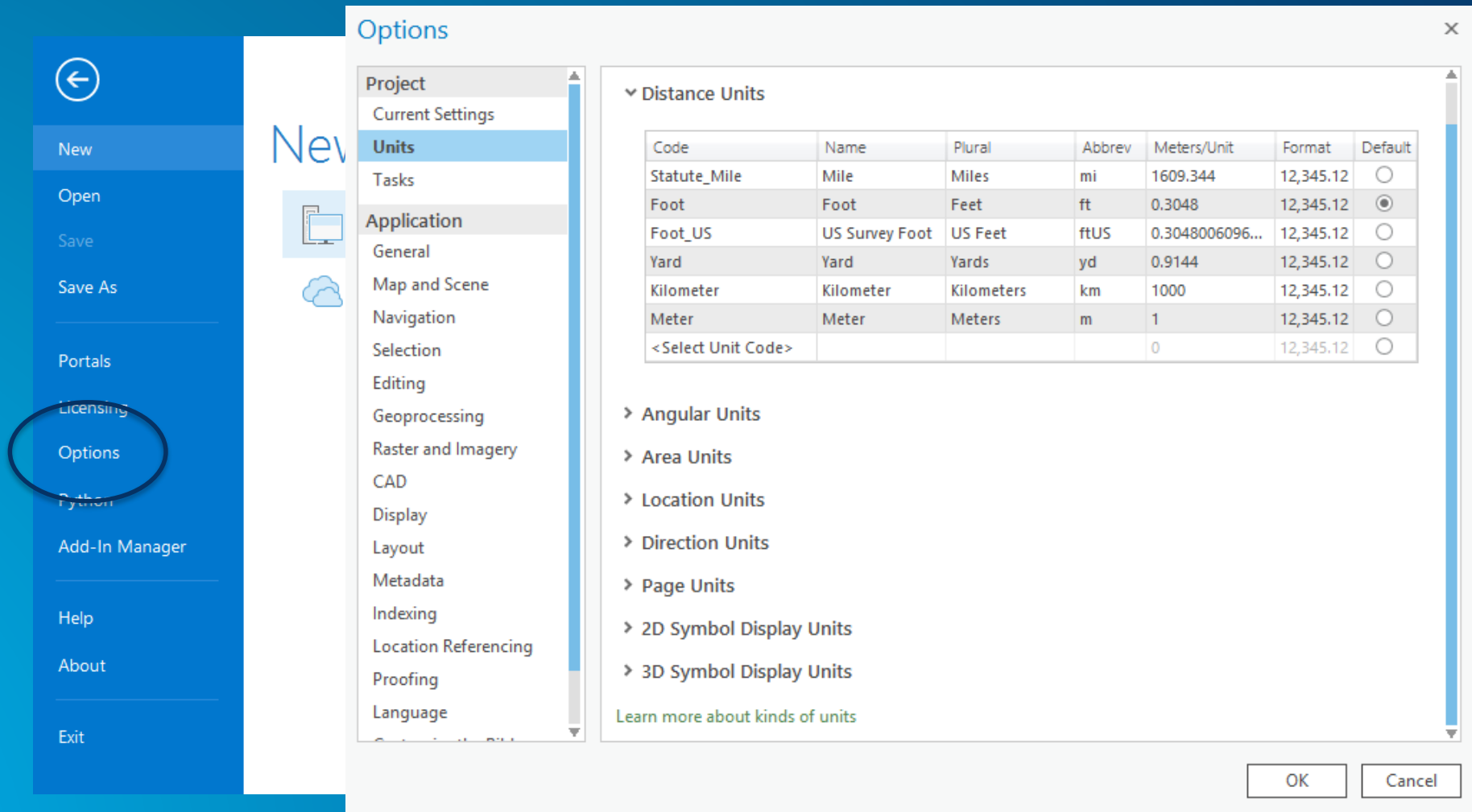
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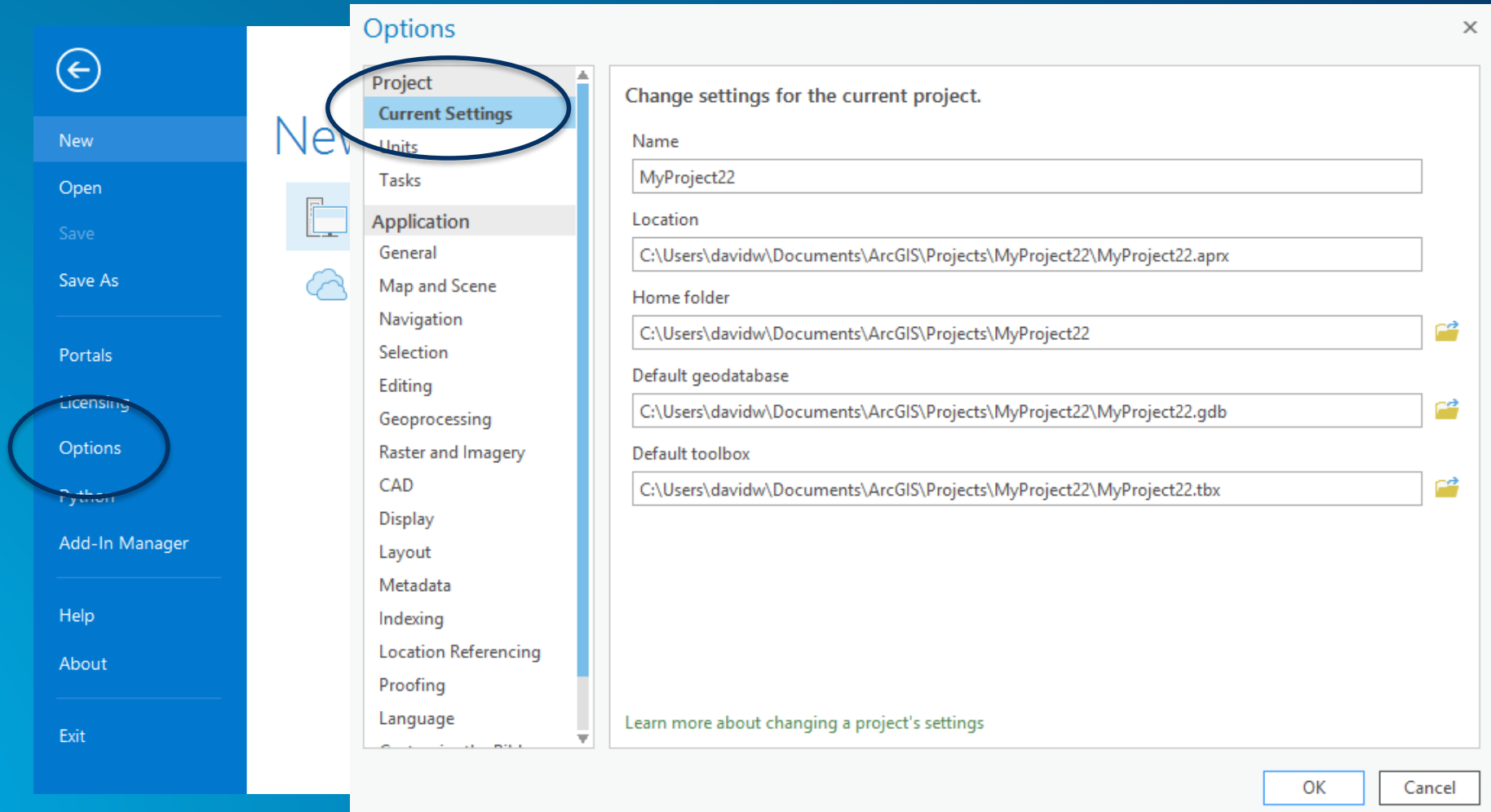
# What is the backstage?



# What is the backstage?

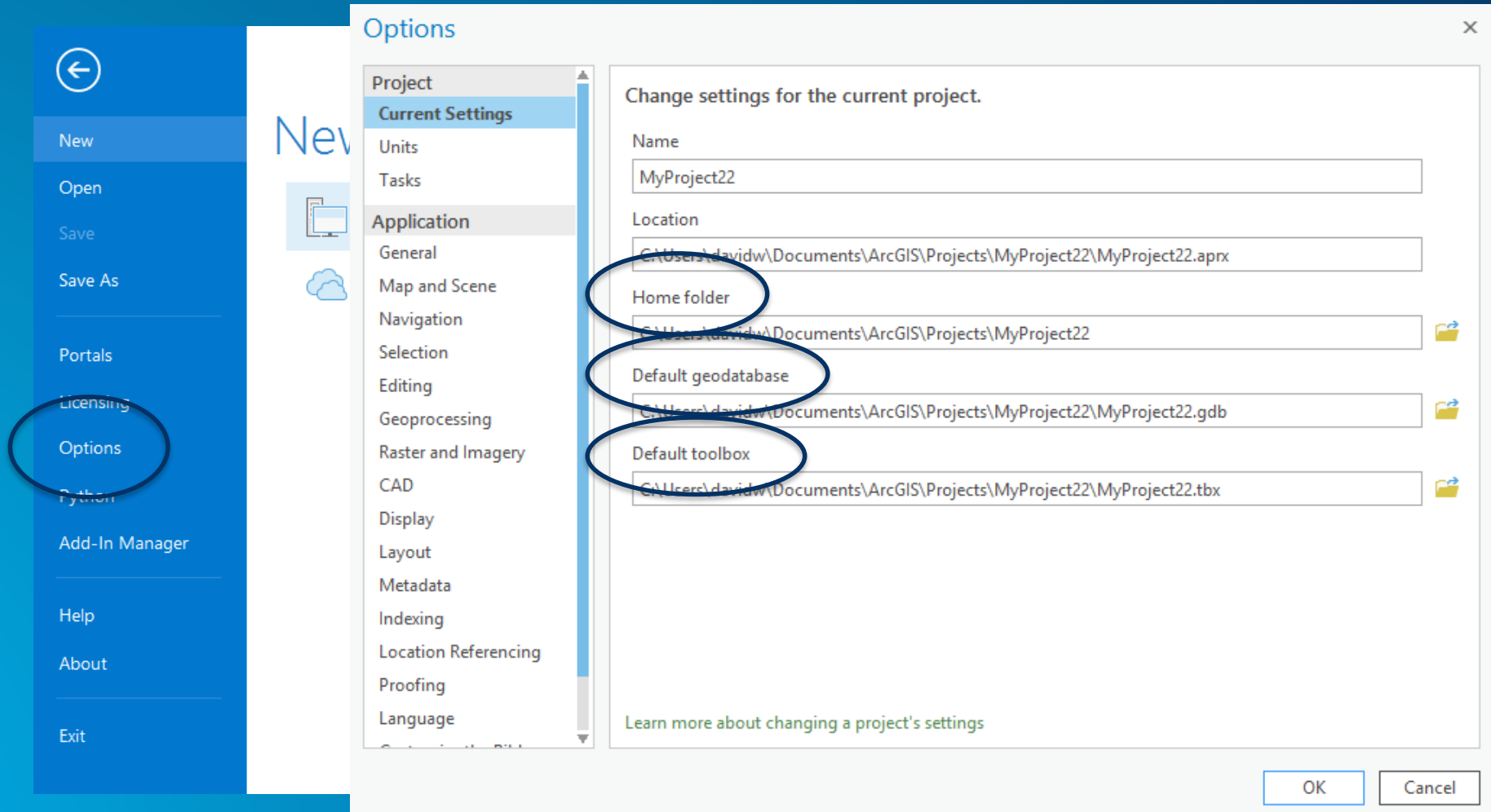


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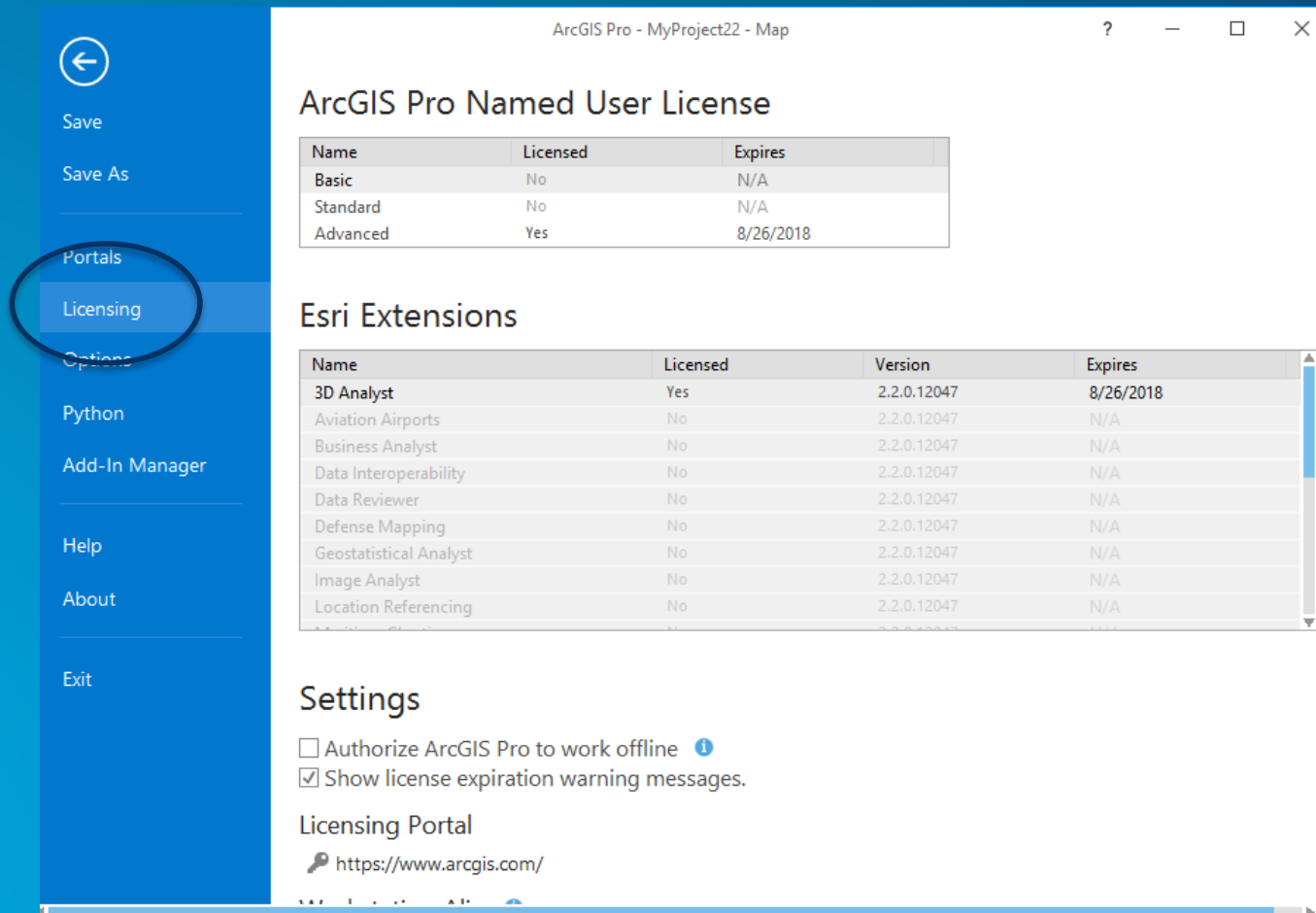




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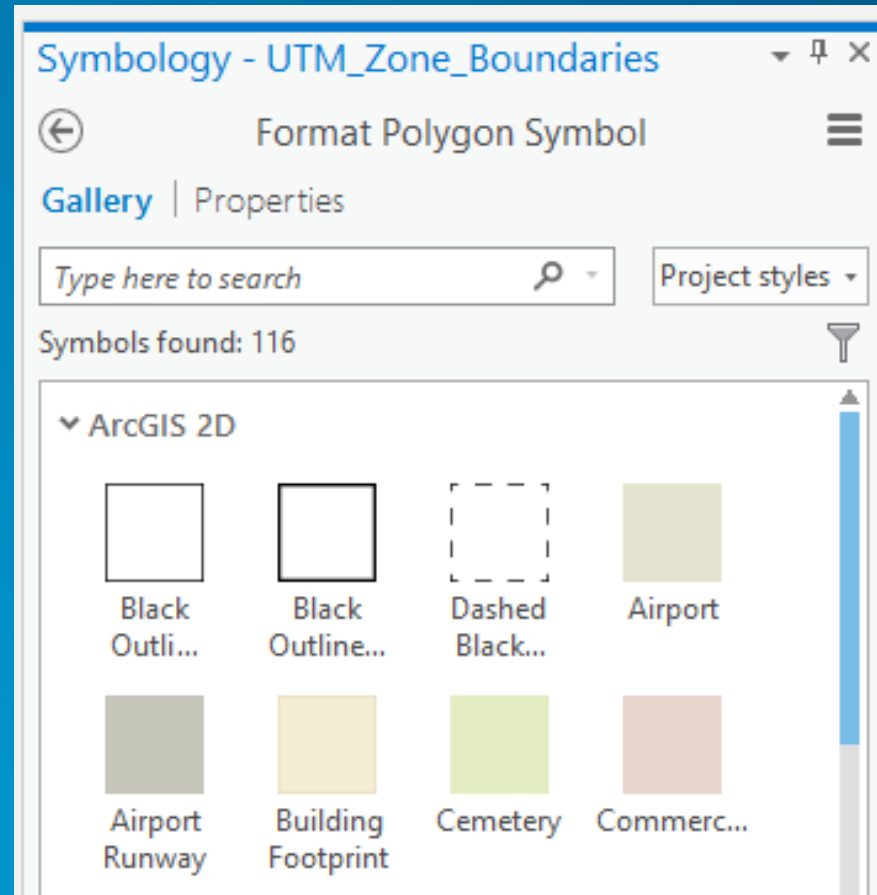


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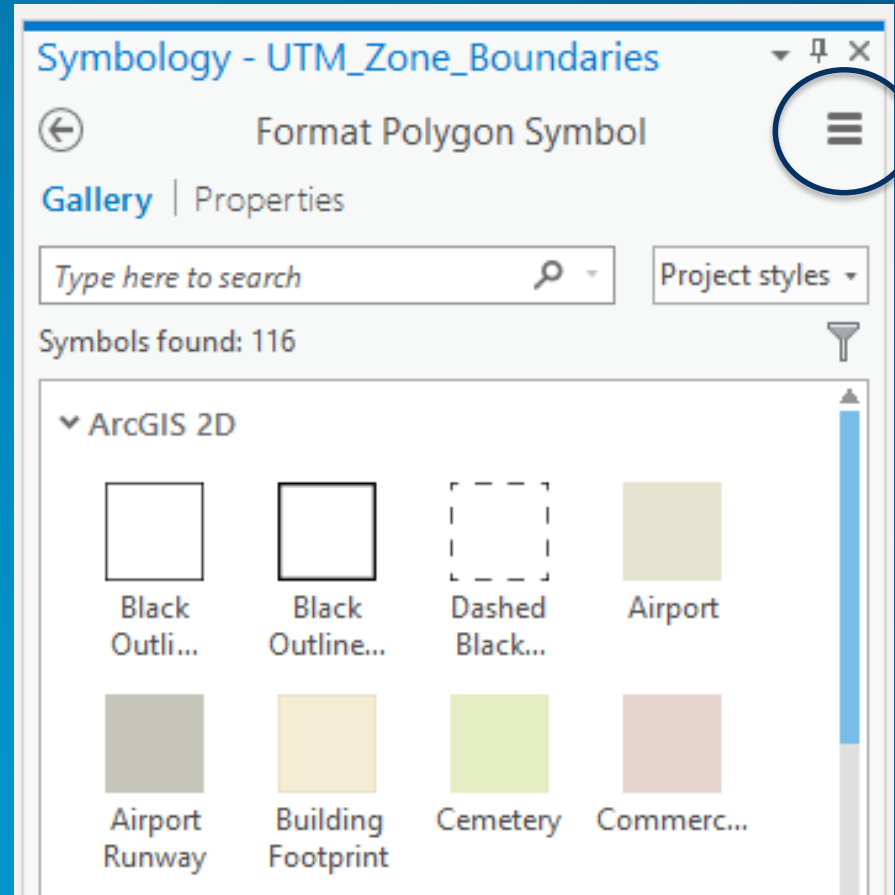


**What is the burger?**

# What is the burger?

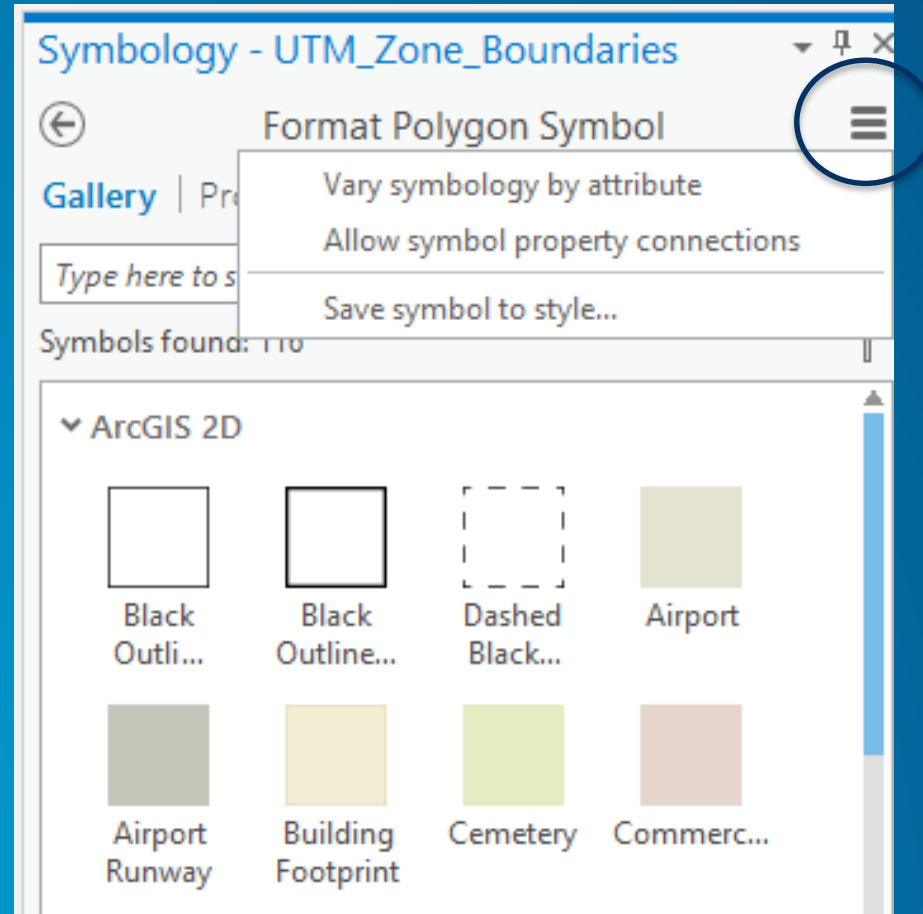


# What is the burger?



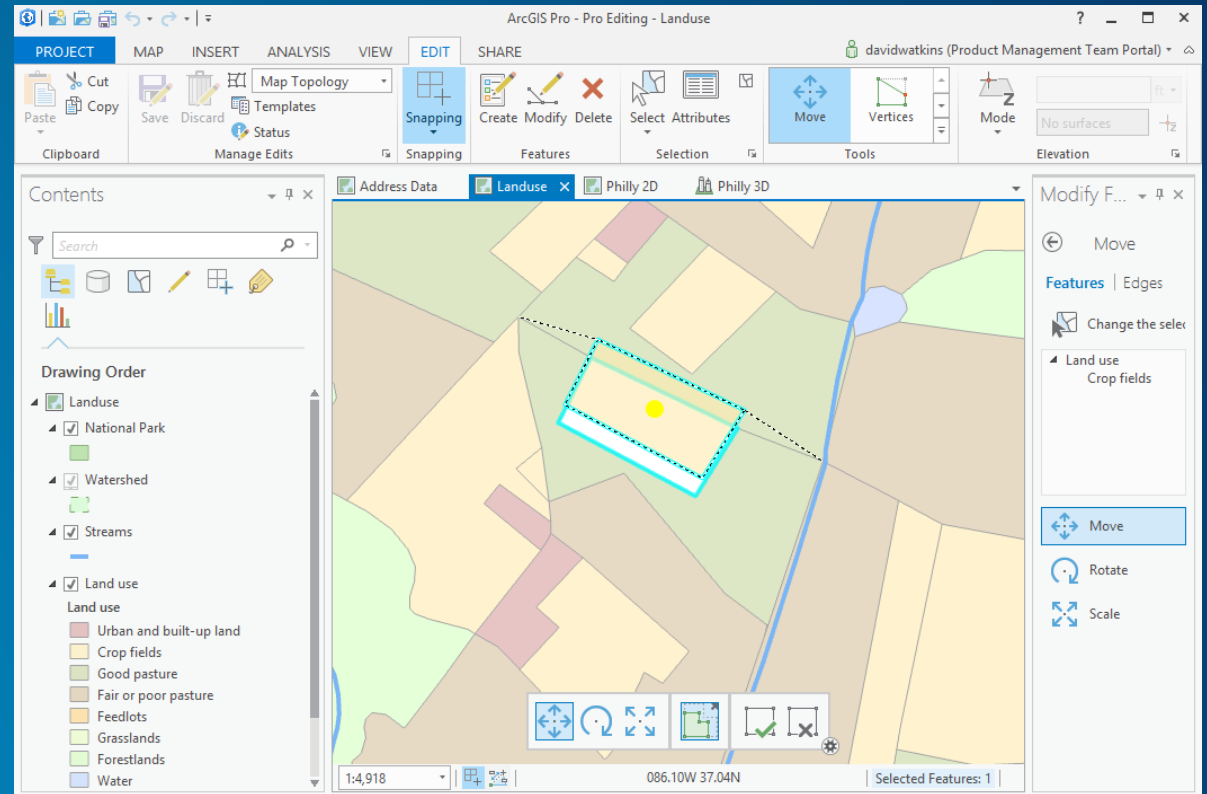


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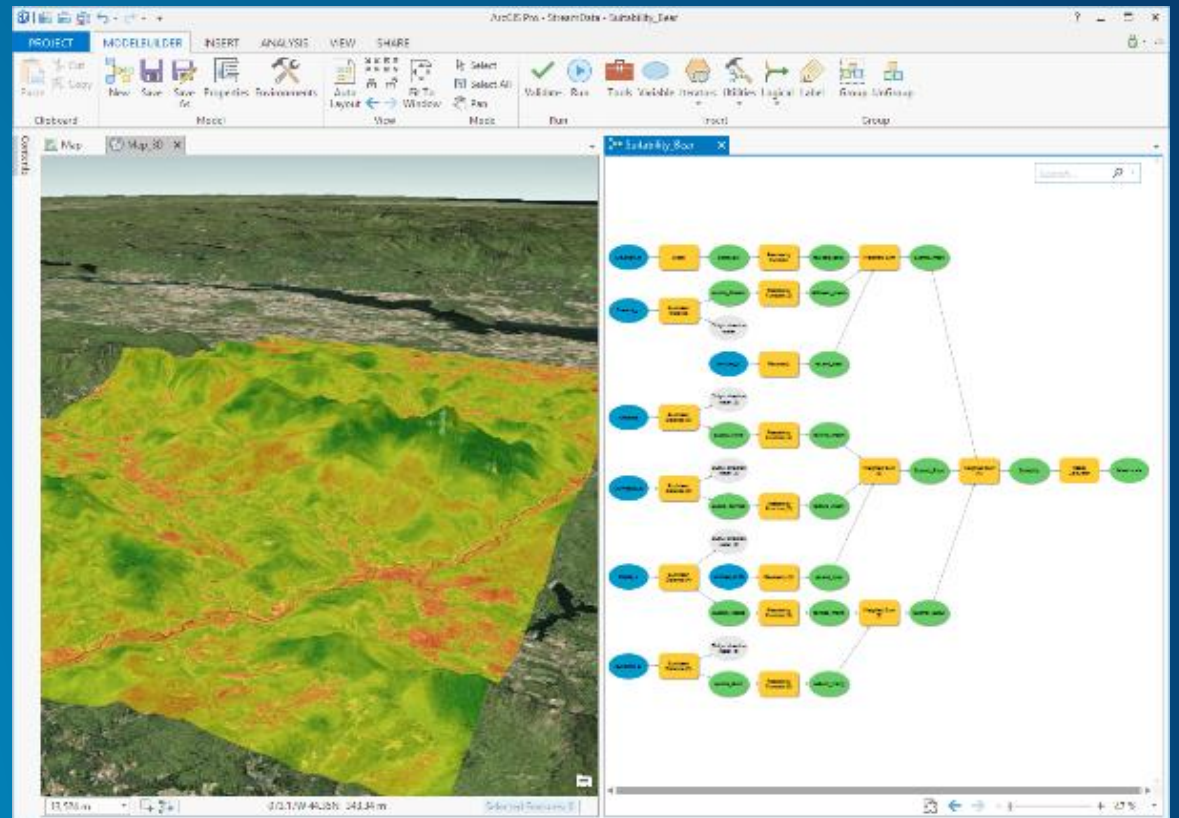
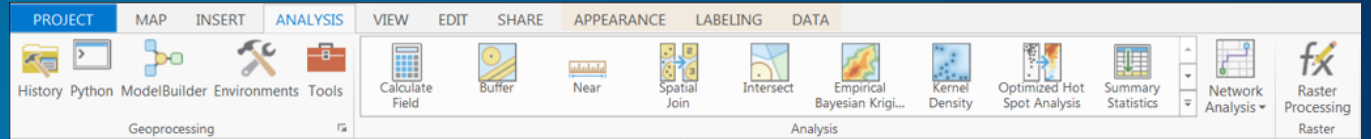
# Editing in ArcGIS Pro

- **No need to start and stop editing**
- **Create and modify features**
- **Edit versioned data**
- **Edit map and geodatabase topology**
- **Group templates**



# Analysis in ArcGIS Pro

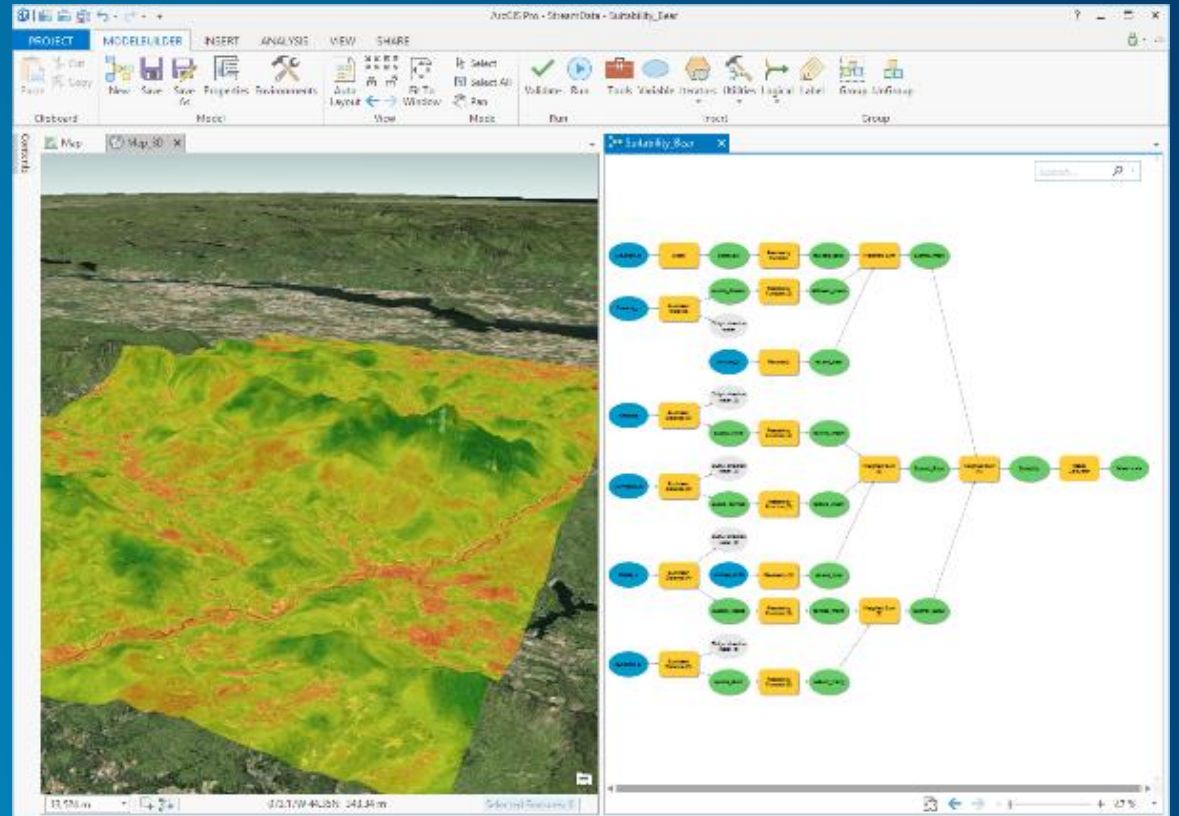
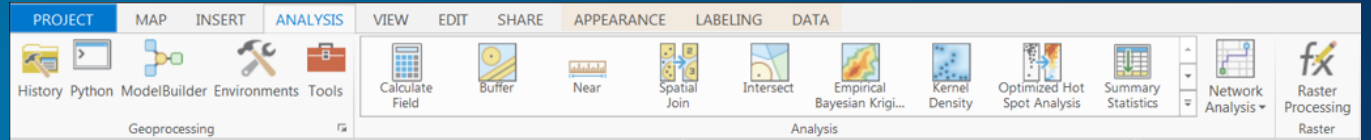
- Analysis tab
- Geoprocessing tool panes
- ModelBuilder
- Python
- Customizable gallery of tools



# Analysis in ArcGIS Pro

- Analysis tab
- Geoprocessing tool panes
- ModelBuilder
- Python
- Customizable gallery of tools

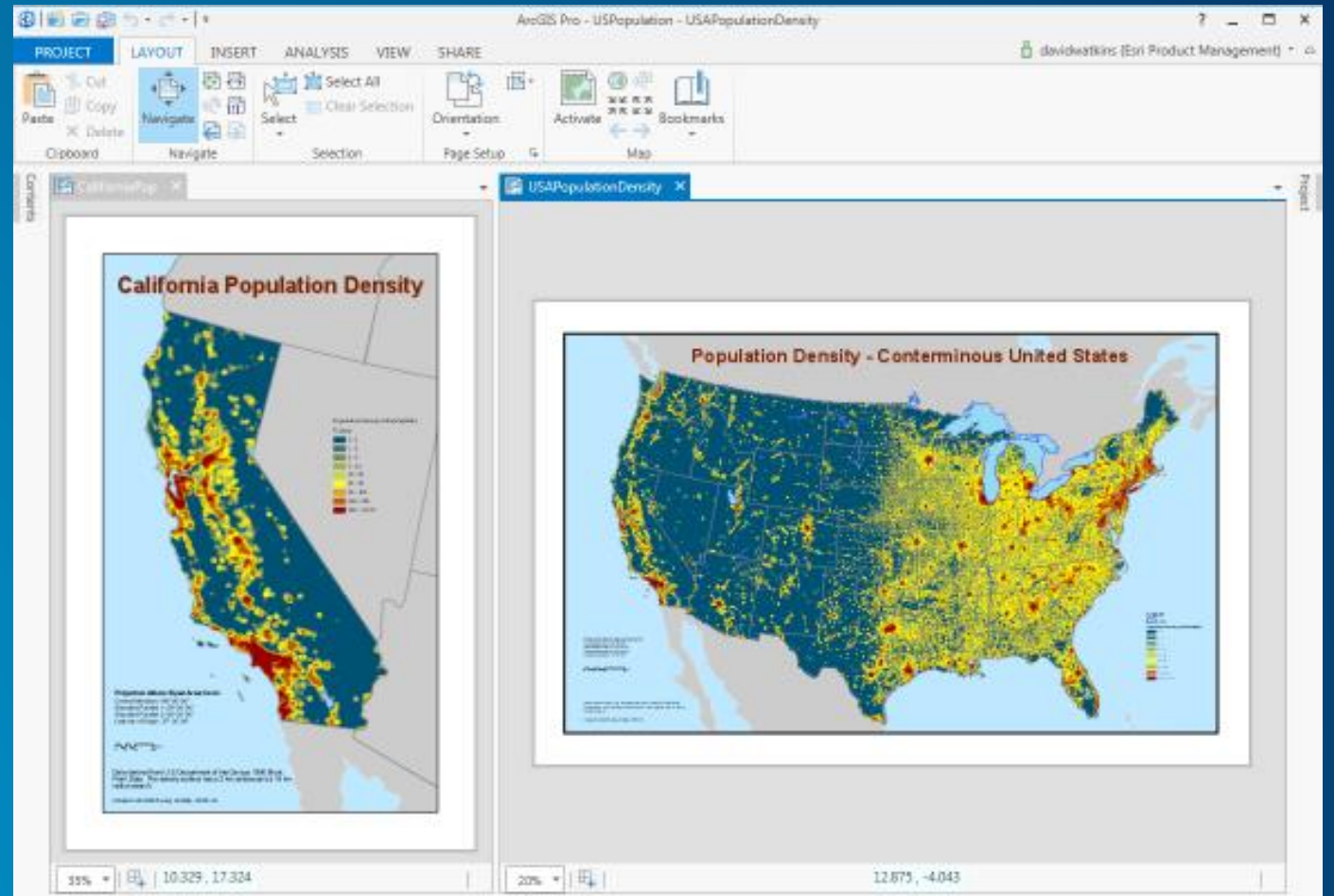
Analyze tools for Pro





# Mapping in ArcGIS Pro

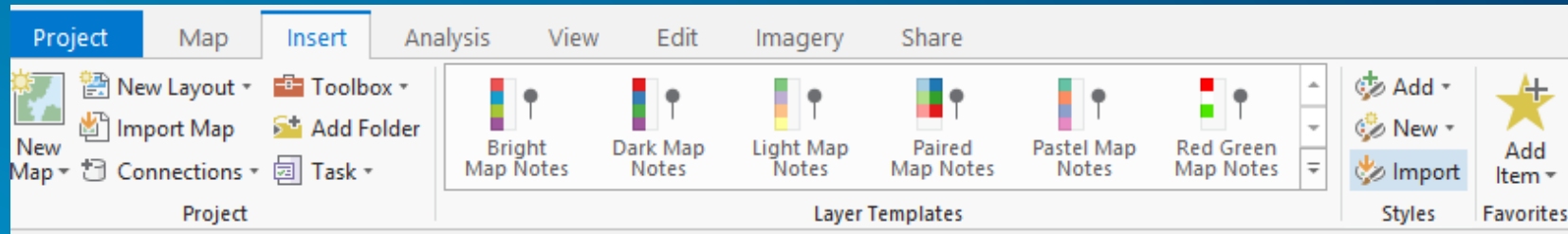
- Multiple layouts
- Anti-aliasing
- Transparency
- Map series
- 3D mapping
- Animation



**Where are my styles?**

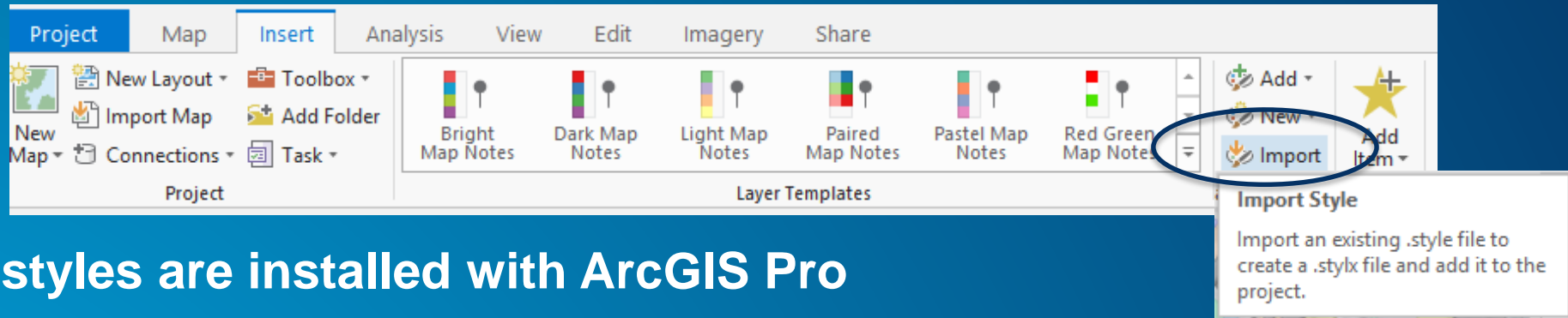


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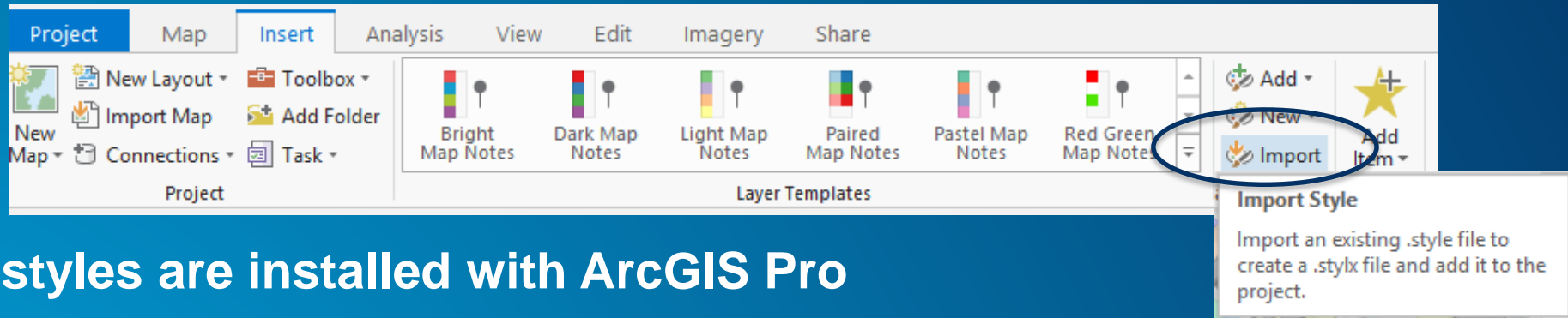
- Not all styles are installed with ArcGIS Pro
- New style format (.stylx)
- Styles from ArcMap and custom styles can be imported

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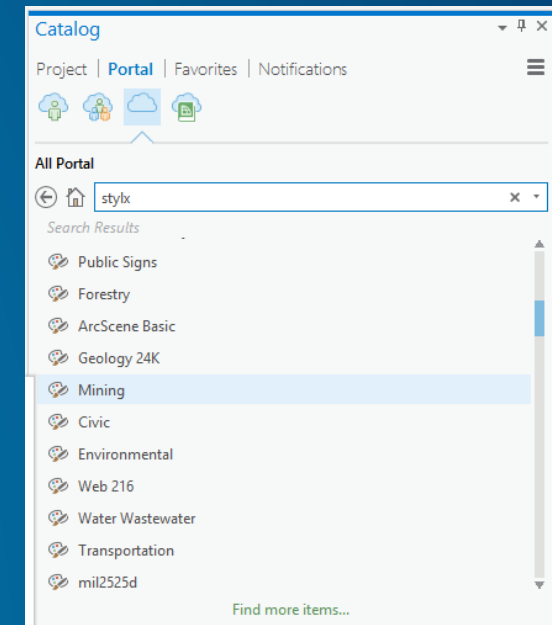


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- Styles from ArcMap and custom styles can be imported

# Where are your styles?



- Not all styles are installed with ArcGIS Pro
- New style format (.stylx)
- Styles from ArcMap and custom styles can be imported
- Add styles to your project from ArcGIS Online

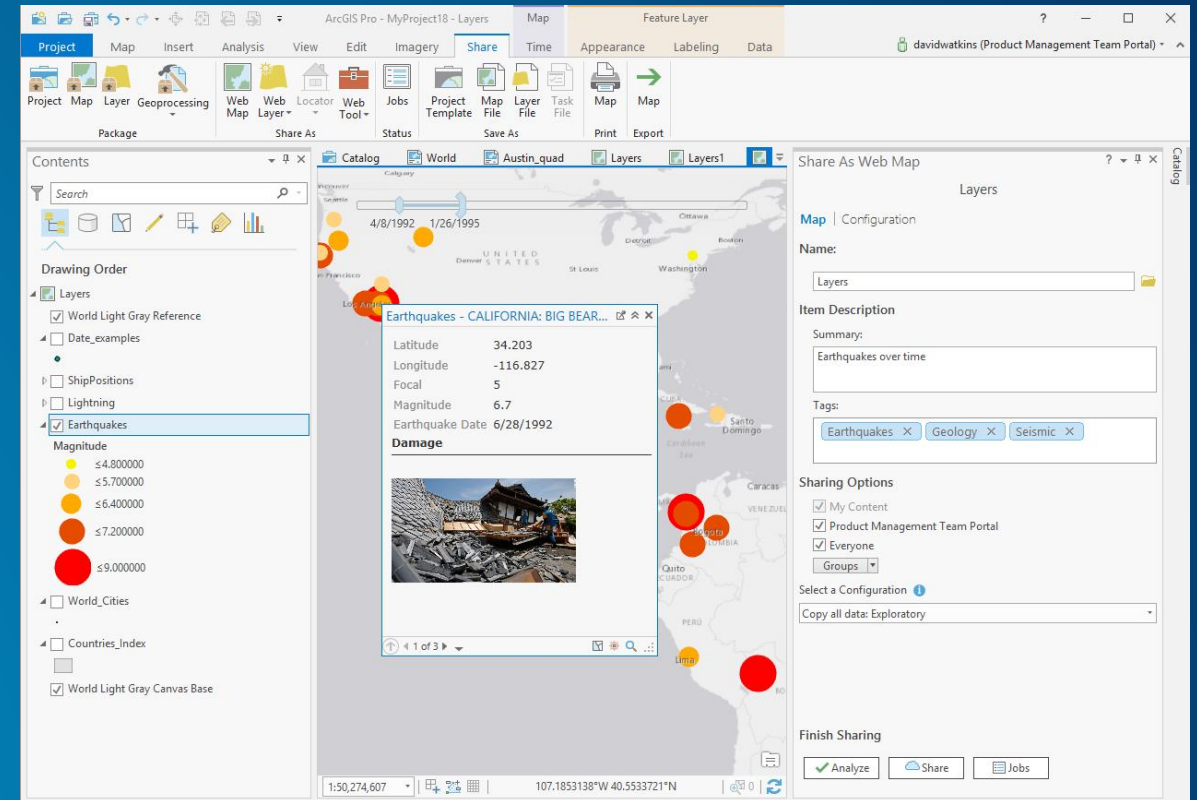


**Share Your Work**

**Share your work**

# Share your work

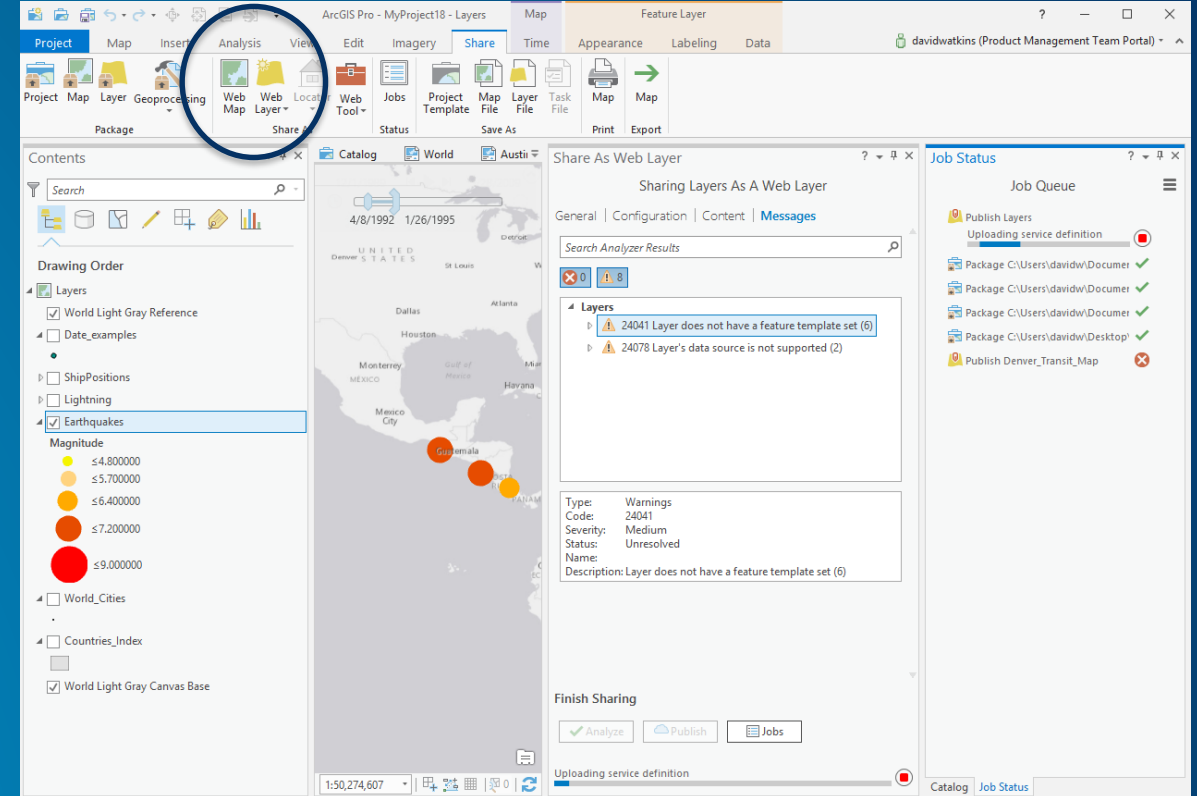
- Author pop-ups





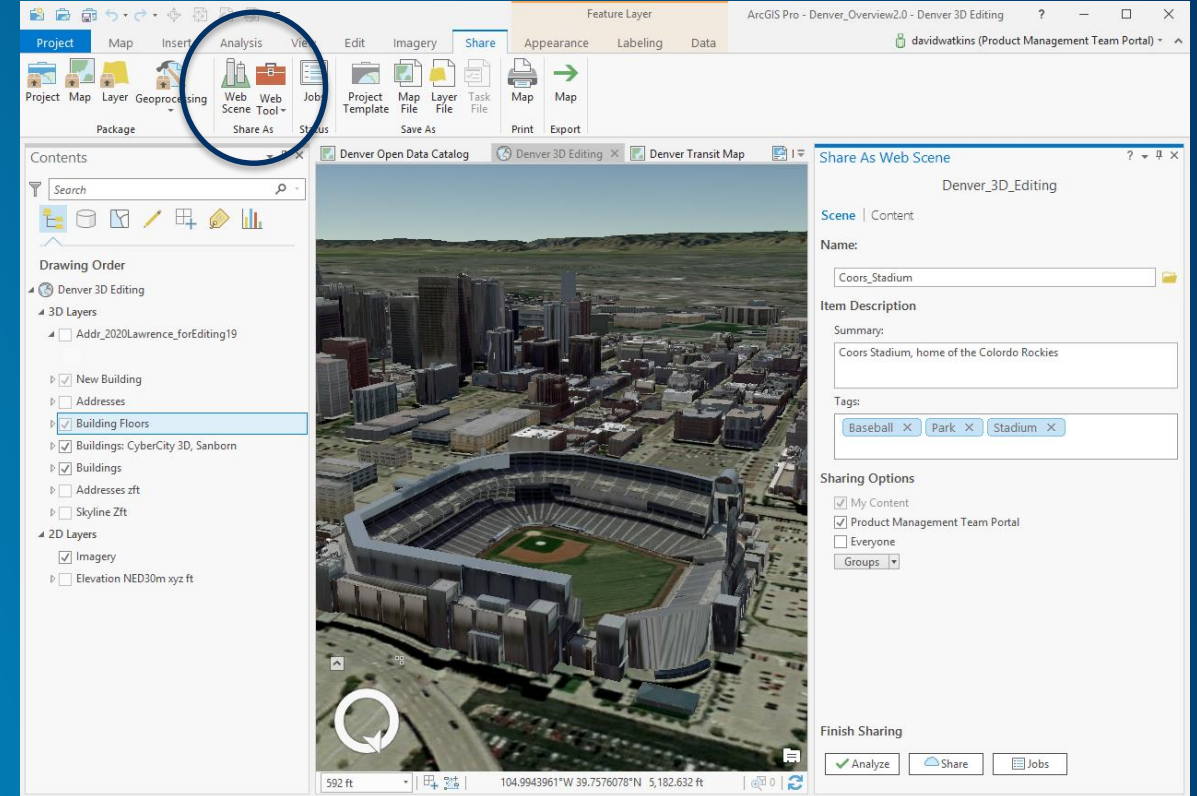
# Share your work

- Author pop-ups
- Share web maps and web layers



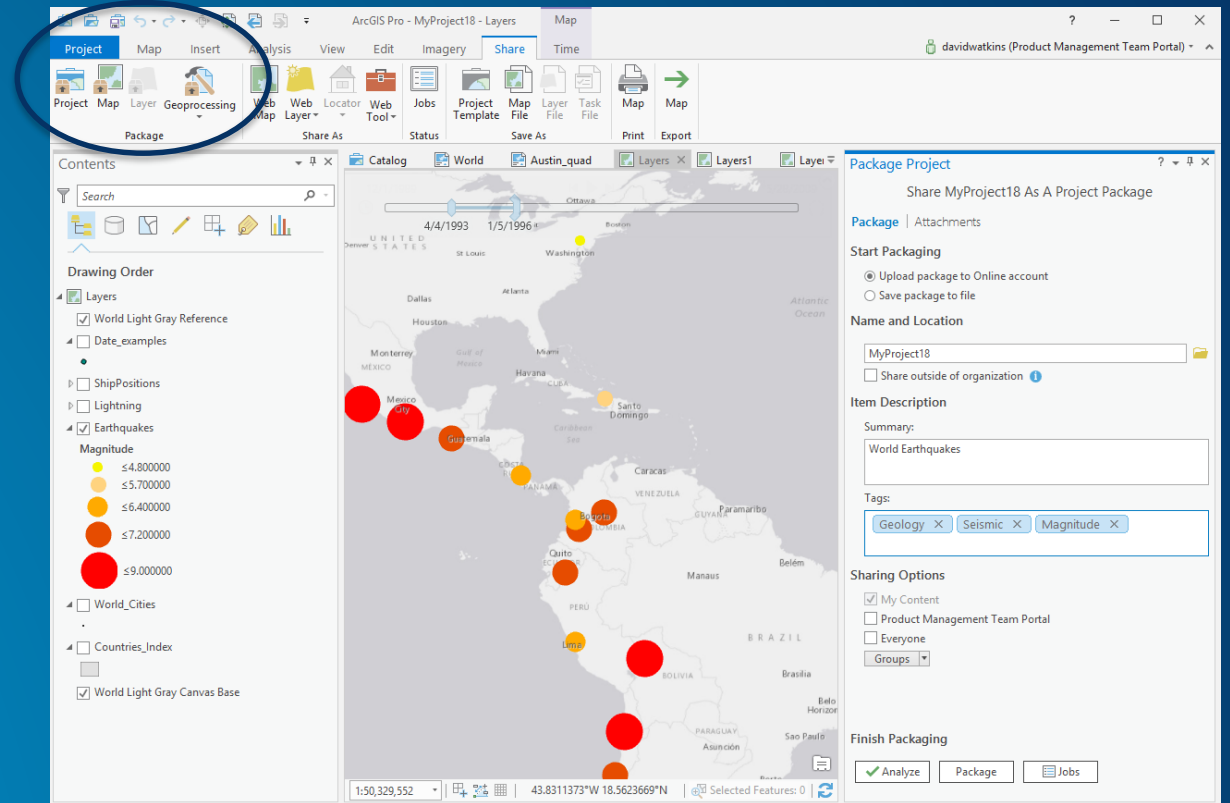
# Share your work

- Author pop-ups
- Share web maps and web layers
- Share 3D scenes



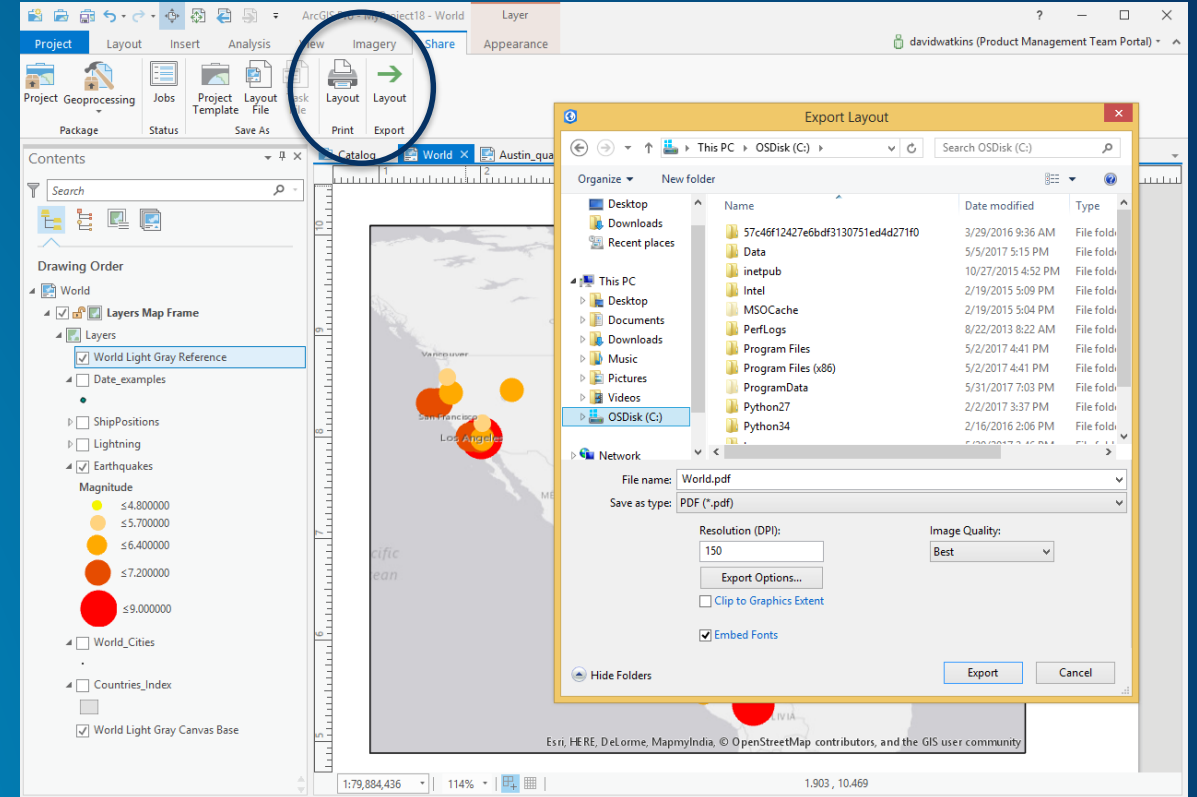
# Share your work

- Author pop-ups
- Share web maps and web layers
- Share 3D scenes
- Package and share projects, maps, analysis



# Share your work

- Author pop-ups
- Share web maps and web layers
- Share 3D scenes
- Package and share projects, maps, analysis
- Export and print



The background consists of several overlapping geometric shapes in various shades of blue, creating a modern, abstract design. The shapes include a large dark blue triangle on the left, a medium blue trapezoid in the center, and a bright blue triangle on the right. The text "Get Started" is positioned on the left side, overlapping the dark blue and medium blue areas.

# Get Started

# ArcGIS Pro migration resources

- Training Classes

The screenshot shows the Esri Training Catalog search results for 'Pro Migration'. The browser address bar displays 'https://www.esri.com/training/catalog/search/'. The page header includes the 'Training' logo and the tagline 'Your Location for lifelong learning'. A navigation bar contains links for 'Main', 'Catalog', 'My Learning', 'Certification', and 'Help'. The search bar contains the text 'Pro Migration'. Below the search bar, there are 'Search tips' and filter options: 'FILTER BY: All GIS Capabilities', 'All Products', and 'All Learning Formats'. There are also checkboxes for 'Available with maintenance' and 'Free training'. The results are sorted by 'Relevance' and show 136 results with 30 items displayed. Three training cards are visible:

- Training Seminar**  
⌚ 60 Minutes  
Going Pro: ArcGIS Pro Essentials for ArcMap Users  
Created June 15, 2017
- Training Seminar**  
⌚ 1 Hour  
Building ArcGIS Pro Add-Ins and Solution Configurations  
Created October 12, 2017
- Instructor-Led**  
⌚ 2 Days (16 Hours)  
Migrating from ArcMap to ArcGIS Pro  
With faster tools and integrated 2D



# ArcGIS Pro migration resources

- Training Classes
- Videos

The screenshot displays a YouTube video player for the video "ArcGIS Pro: Tips and Tricks" by Ty Fitzpatrick and J.D. Overton. The video is from the "Esri Events" channel and has 1,809 views. The video player shows a progress bar at 0:01 / 1:05:30. The right sidebar lists several related videos, including "ArcGIS Pro: Tips and Tricks" (1:05:31), "Managing Utility and Telco Networks with ArcGIS" (1:11:20), "ArcGIS Online Steps For Success: A Best Practices Approach" (1:28:30), "ArcGIS Online: Data Exploration with Smart Mapping" (1:00:19), "ArcGIS Pro: Migrating from ArcMap" (1:15:48), and "ArcGIS Pro: Mapping and Visualization".

# ArcGIS Pro migration resources

- Training Classes
- Videos
- [Learn.ArcGIS.com](https://learn.arcgis.com)

← → ↻ Secure | <https://learn.arcgis.com/en/projects/get-started-with-arcgis-pro/> ☆ 📺 Z ⋮

Learn ArcGIS Lesson Gallery Support Sign In English ▾


## Get Started with ArcGIS Pro

Overview Lessons

### Overview

Spanning a series of islands in a shallow lagoon, the city of Venice is renowned for its beauty. But that beauty comes at a cost. The lagoon's tidal patterns mix with the islands' low elevation to cause acqua alta (high water), a periodic flooding that affects most of the city. Although not a threat to human life, acqua alta impedes transportation and endangers Venice's priceless architecture—and the problem is getting worse.

Historically, an exceptional tide (defined as 1.4 meters above sea level) occurs about every four years. In the past decade, however, exceptional tides have become an annual event. Efforts to chart, analyze, and control acqua alta will be crucial to protect Venice in the future.



[View the map](#)

# ArcGIS Pro migration resources

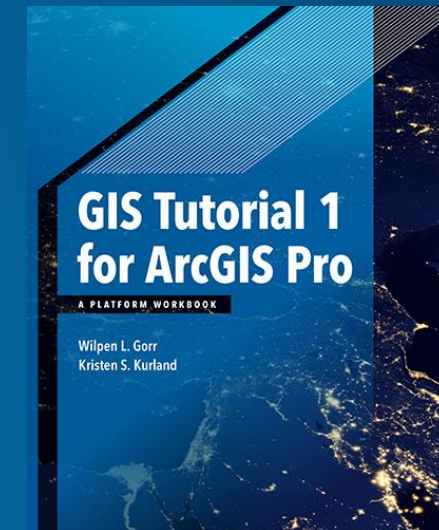
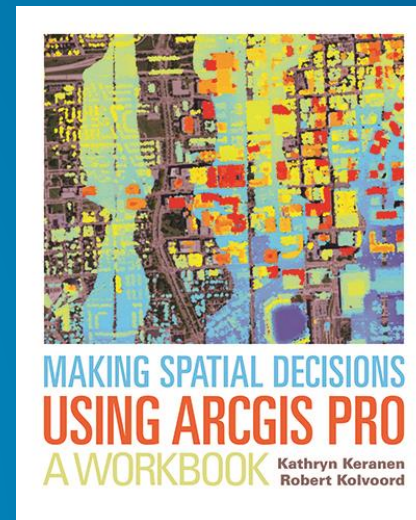
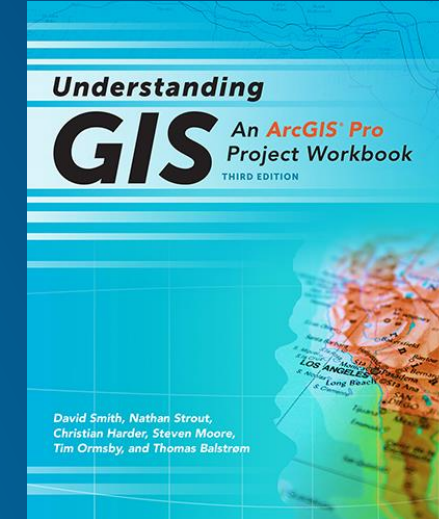
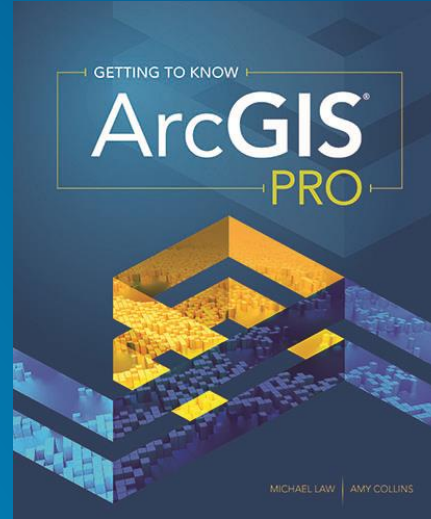
- Training Classes
- Videos
- Learn.ArcGIS.com
- Blogs





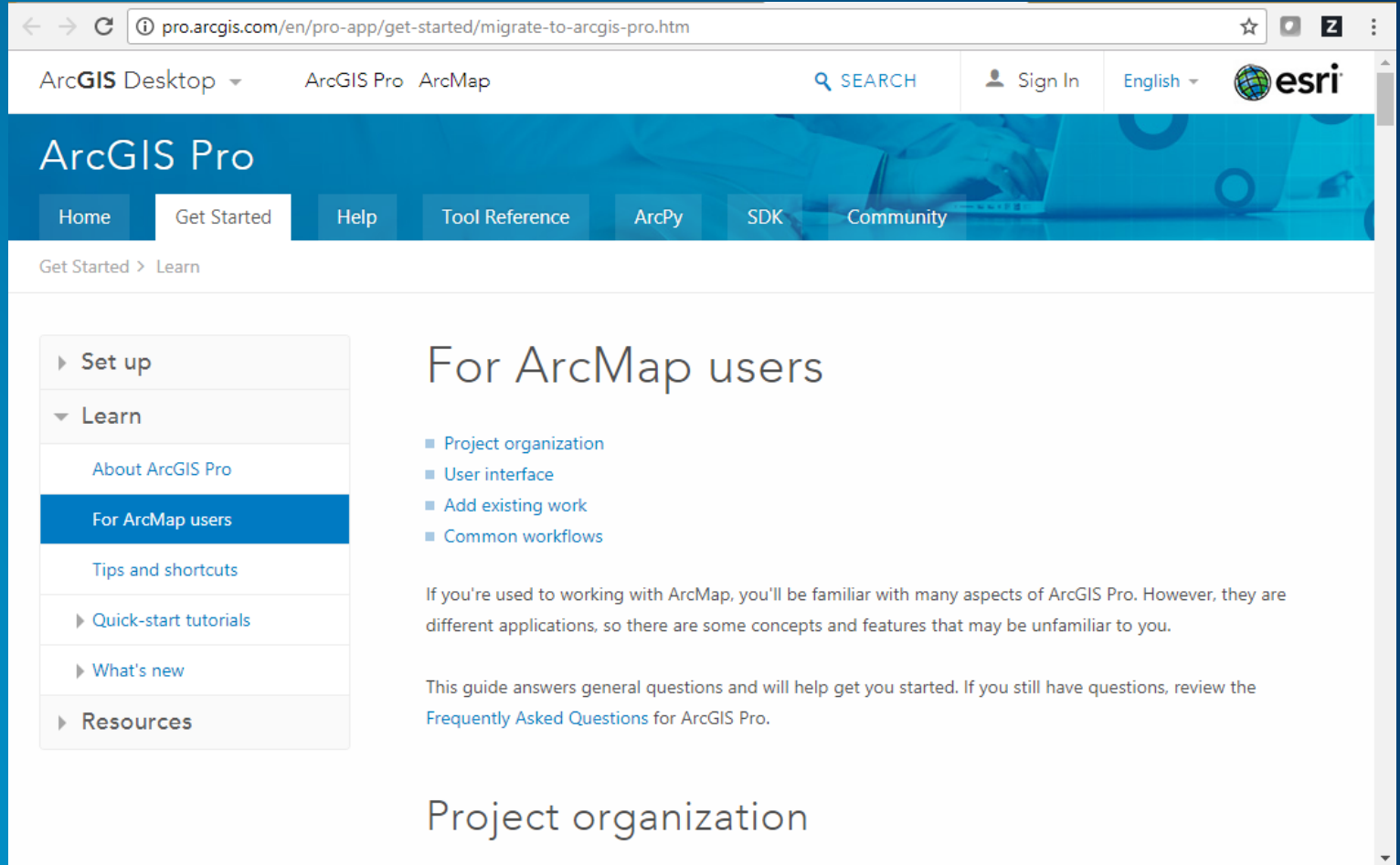
# ArcGIS Pro migration resources

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# ArcGIS Pro migration resources

- Training Classes
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- Blogs
- Books
- Help



The screenshot shows a web browser window with the URL `pro.arcgis.com/en/pro-app/get-started/migrate-to-arcgis-pro.htm`. The page is titled "ArcGIS Pro" and features a navigation bar with links for "Home", "Get Started", "Help", "Tool Reference", "ArcPy", "SDK", and "Community". The "Get Started" link is highlighted. Below the navigation bar, the page is divided into two main sections. On the left, a sidebar menu lists "Set up", "Learn", "About ArcGIS Pro", "For ArcMap users" (which is highlighted), "Tips and shortcuts", "Quick-start tutorials", "What's new", and "Resources". The main content area is titled "For ArcMap users" and contains a list of topics: "Project organization", "User interface", "Add existing work", and "Common workflows". Below this list, a paragraph states: "If you're used to working with ArcMap, you'll be familiar with many aspects of ArcGIS Pro. However, they are different applications, so there are some concepts and features that may be unfamiliar to you." This is followed by another paragraph: "This guide answers general questions and will help get you started. If you still have questions, review the [Frequently Asked Questions](#) for ArcGIS Pro." The page is designed with a clean, professional layout using a blue and white color scheme.

pro.arcgis.com/en/pro-app/get-started/migrate-to-arcgis-pro.htm

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## ArcGIS Pro

Home Get Started Help Tool Reference ArcPy SDK Community

Get Started > Learn

- Set up
- ▼ Learn
  - About ArcGIS Pro
  - For ArcMap users**
  - Tips and shortcuts
  - Quick-start tutorials
  - What's new
- Resources

### For ArcMap users

- Project organization
- User interface
- Add existing work
- Common workflows

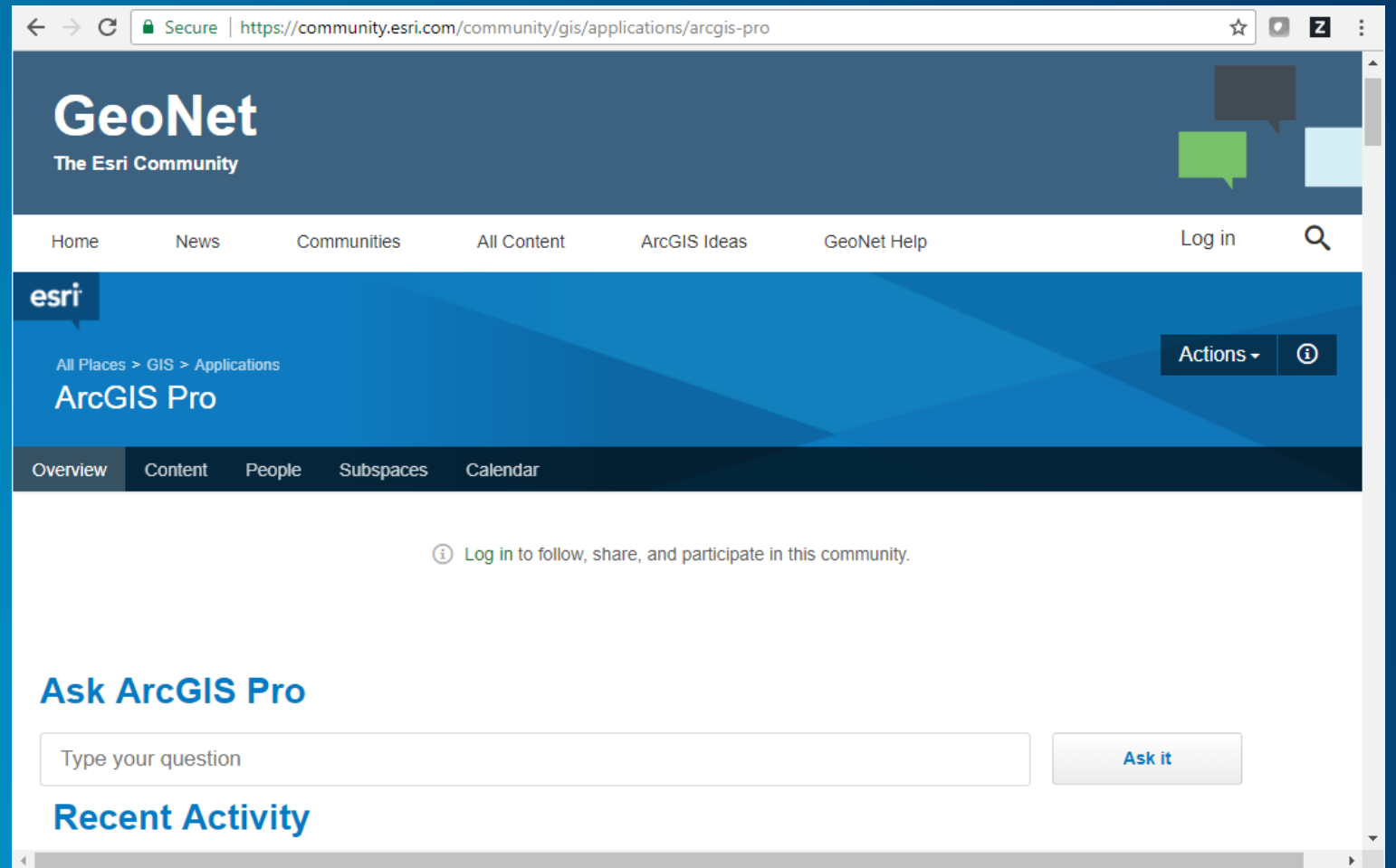
If you're used to working with ArcMap, you'll be familiar with many aspects of ArcGIS Pro. However, they are different applications, so there are some concepts and features that may be unfamiliar to you.

This guide answers general questions and will help get you started. If you still have questions, review the [Frequently Asked Questions](#) for ArcGIS Pro.

### Project organization

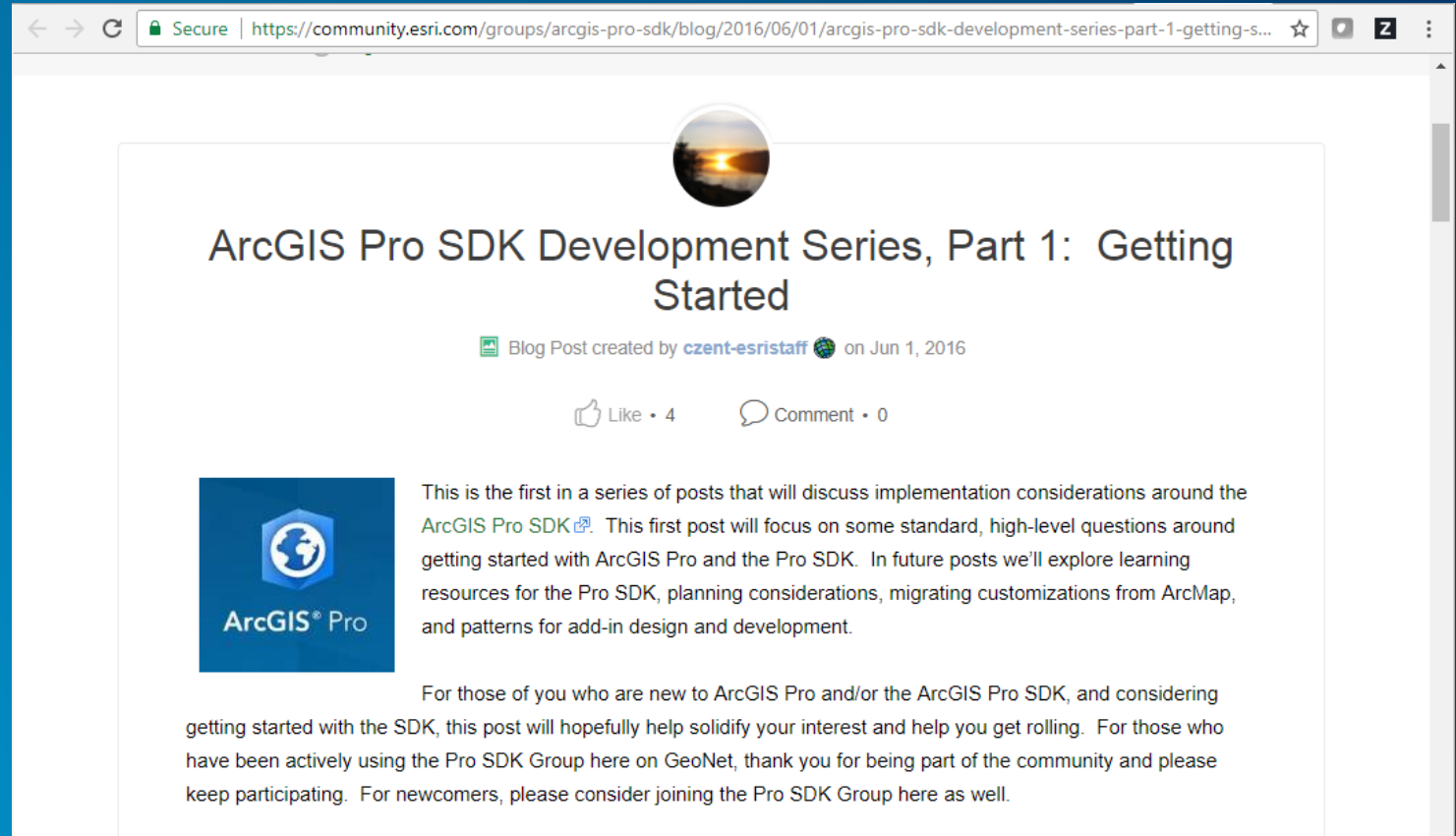
# ArcGIS Pro migration resources

- Training Classes
- Videos
- Learn.ArcGIS.com
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- Help
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- Developer Resources




The screenshot shows a web browser window with the address bar displaying a URL from the Esri community. The page features a profile picture of a sunset, the title 'ArcGIS Pro SDK Development Series, Part 1: Getting Started', and a post by 'czent-esristaff' from June 1, 2016. It includes 4 likes and 0 comments. A blue ArcGIS Pro logo is shown next to the text, which describes the first post in a series about the ArcGIS Pro SDK. The text mentions that the post will cover standard, high-level questions around getting started with ArcGIS Pro and the Pro SDK, as well as future topics like learning resources, planning considerations, and migrating customizations from ArcMap.

ArcGIS Pro SDK Development Series, Part 1: Getting Started

Blog Post created by [czent-esristaff](#) on Jun 1, 2016

Like • 4    Comment • 0

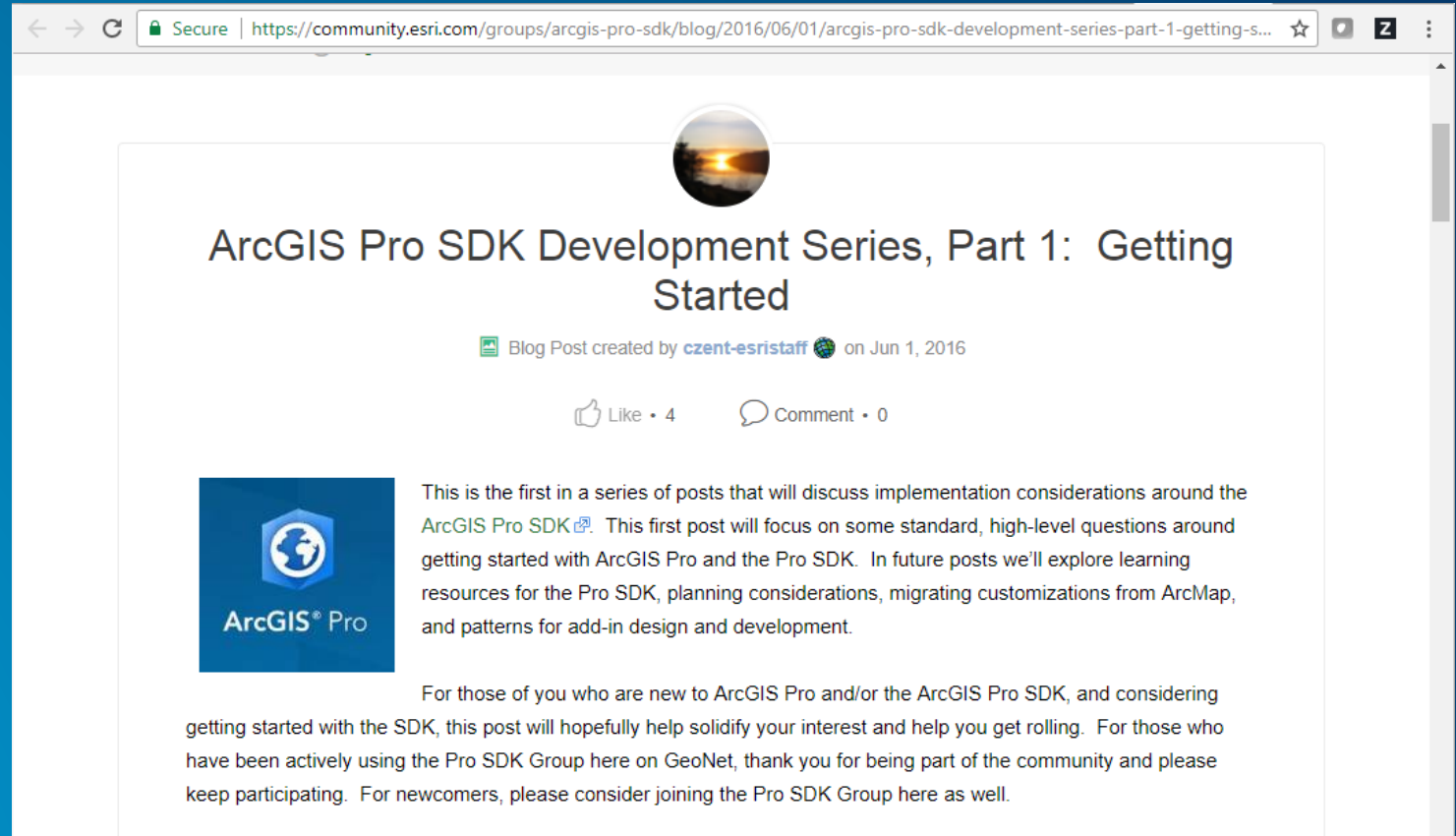
 This is the first in a series of posts that will discuss implementation considerations around the [ArcGIS Pro SDK](#). This first post will focus on some standard, high-level questions around getting started with ArcGIS Pro and the Pro SDK. In future posts we'll explore learning resources for the Pro SDK, planning considerations, migrating customizations from ArcMap, and patterns for add-in design and development.

For those of you who are new to ArcGIS Pro and/or the ArcGIS Pro SDK, and considering getting started with the SDK, this post will hopefully help solidify your interest and help you get rolling. For those who have been actively using the Pro SDK Group here on GeoNet, thank you for being part of the community and please keep participating. For newcomers, please consider joining the Pro SDK Group here as well.



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# Get started using ArcGIS Pro

**Get started using ArcGIS Pro**

**The best way to get started is just to start**

**Questions?**

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